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STATISTICS OF HAWAIIAN AGRICULTURE
1980

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EXECUTIVE CHAMBERS
HONOLULU

GEORGE R. ARIYOSHI
GOVERNOR

MESSAGE FROM GOVERNOR GEORGE R. ARIYOSHI TO THE PEOPLE OF HAWAII

My Administration, from its inception, has placed a high priority on agriculture in this State.

This occurred not only because this industry represents the third most important economic factor in Hawaii, but also because it represents open spaces, which are so vital to our citizens and visitors.

Many years ago, when I advocated diversified agriculture for Hawaii, I was called a pipe dreamer. When I said that this State must reverse, to some degree, our dependence on imported agricultural goods, I was told that our market was too small to support locally-produced products.

The years since have offered testimony supporting my beliefs.

Certainly sugar and pineapple remain the mainstays of our agricultural economy, and we have devoted considerable effort on their behalf, but at the same time, diversified agriculture represents a hope for our present and our future.

George R Ariyoshi

George R. Ariyoshi

GEORGE R. ARIYOSHI
GOVERNOR

JOHN FARIAS, JR.
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The value of agriculture, including processed sugar and pineapple, approached one billion dollars in 1980. This record high was achieved at a time of softness in other sectors of our State's economy and emphasizes the importance of agriculture to Hawaii's overall economic stability.

Although a strong sugar market throughout 1980 accounts for the bulk of the surge in agricultural value, diversified agriculture also enjoyed a record high year. Sharply higher production and some increase in prices boosted flowers, foliage plants, and macadamia nuts to record levels and portends a many fold increase for these industries during the 80's.

Statistics of Hawaiian Agriculture is our annual summary publication which is part of an extensive schedule of current reports issued by the Hawaii Agricultural Reporting Service. This statistical program is a joint effort of the Hawaii Department of Agriculture and the United States Department of Agriculture, Statistical Reporting Service. Through this cooperative arrangement we are able to provide a comprehensive program of quality statistics without duplication of resources.

John Farias-Jr.

John Farias, Jr.
Chairman, Board of Agriculture

STATISTICS
OF
HAWAIIAN AGRICULTURE

Most of the information in this publication is obtained by surveys of farmers and ranchers. Supplemental information is provided by grower organizations and agribusiness firms. Also several other State and Federal agencies contribute toward development of these statistics. We wish to express our appreciation to all the persons and organizations who have helped.

Much of the information was obtained by personal interviews. Statisticians responsible for this work were: James Yamaki and Llewelyn Suzuki, Hawaii; Renan Mahikoa, Maui and Molokai; and Wendell Au and Nils Morita, Oahu and Kauai. Processing the data and preparing the tables were done by the program support group of Nora Chun, Georgia Kato, Betsy Komatsu, Natalie Nagaji, Amy Quinlan, Joyce Satogata, Gail Takara and Jan Yokogawa under the supervision of Joan Nakamatsu. Joyce Jay served as editor with commodity supervision provided by Sadao Sato for crop estimates; Sueki Yamamoto for livestock estimates; and Ronald Nakamura for special projects. Donald Martin is responsible for directing technical program operations of the office. Acknowledgements are expressed to Carol Igawa for administrative assistance.

An extensive schedule of current reports and forecasts are available upon request to the Hawaii Agricultural Reporting Service, P. O. Box 22159, Honolulu, Hawaii 96822.

Lloyd Garrett

Lloyd P. Garrett
Statistician in Charge

TABLE OF CONTENTS

GENERAL

General Summary 2
Acreage in Crop and Total Farm Acreage 3
Cash Receipts of Agricultural Commodities .. 11
Climatology 17
Definition of Terms 97
Farm Income and Expense 12
Feed: Prices and Inshipments 91-93
List of Publications 99
Methodology 98
Number of Farms:
  Crop 4
  Livestock 5
General Economy, U.S. & Selected Countries .. 13
Prices Paid:
  Building Materials 95
  Equipment & Supplies 95
  Fertilizer Materials 96
  Mixed Fertilizers 96
  Petroleum Products, Motor
    Supplies & Services 96
Rankings, Crops and Diversified Agriculture 11, 16
Value of Crop Sales 8-9
Value of Livestock Sales 10
Volume of Crop Marketings 6
Volume of Livestock Marketings 7

CROPS

Crop Summary 14-15
Field and Specialty Crops
  Coffee 33
  Feed and Forage 91
  Flowers and Nursery Products 22-32
  Ginger Root 56
  Seed Corn 91
  Sugar 18-21
Fruits and Nuts
  Avocados 40
  Bananas 36-37
  Guavas 41
  Macadamia Nuts 34
  Oranges 40
  Papayas 38-39
  Passion Fruit 41
  Pineapples 35
  Tangerines 40
Vegetables and Melons
  Beans 46
  Bittermelon 68
  Broccoli 47
  Burdock 47
  Cabbage, Chinese 48-50
  Cabbage, head 50-51
  Cabbage, mustard 49
  Carrots 47
  Cauliflower 47
  Celery 52
  Corn 53
  Cucumbers 54
  Daikon 49, 55
  Dasheen 49
  Eggplant 56
  Lettuce 57-58
  Lotus Root 61
  Minor Crops 68
  Onions, Dry 58-59
  Onions, Green 60
  Parsley 68
  Peas, Chinese 68
  Peppers, Green 62
  Potatoes 61
  Pumpkins 61
  Radishes 68
  Romaine 63
  Squash, Italian 64
  Squash, Oriental 68
  Sweet potatoes 65
  Taro 33
  Tomatoes 66-67
  Watercress 63
  Watermelons 69
Market Supply:
  Fruits 42
  Melons 43
  Vegetables 44-45

LIVESTOCK

Livestock Summary 70
Cattle and Calves
  Commercial Slaughter & Farm Price 76-77
  Inventory and Disposition 71-72, 77
  Marketings:
    Cattle and Calves 73
    Feedlot Cattle 74
    Range and Other Cattle 75
  Number of Farms, January 1 72
Hogs and Pigs
  Commercial Slaughter & Farm Price 83
  Inventory and Disposition 81-83
  Pig Crop, Production, & Value 82
Poultry
  Broilers:
    Feed Ratio 90
    Slaughter and Value 90
  Eggs:
    Feed Ratio 89
    Production and Value 88-89
  Chickens:
    Inventory 86
    Placements 86
    Slaughter and Value 87
Dairy
  Feed Ratio 79
  Milk Cow Numbers, Production &
    Value 79-80
Honey and Beeswax
  Production, Value and Price 80
Market Supply:
  Beef and Veal 78
  Eggs 85
  Pork 78
  Poultry Meat 84

AGRICULTURAL EMPLOYMENT

Wage Rates 94
Workers on Farm 94

HAWAII AGRICULTURE 1980

Hawaii's agriculture enjoyed its best year ever in 1980 as the farm value of marketings reached $633.6 million. The contribution of agriculture to Hawaii's economy, after including the processed value of sugar and pineapple, came close to topping the $1 billion mark for the first time in history with a total of $989.4 million. Although high sugar prices contributed to much of the increase it was also a record year for other important commodities such as pineapple, horticultural specialties, macadamia nuts, and papayas. The equivalent farm value of sugarcane hit $385.1 million, the second highest on record. Cash receipts (equivalent farm value) from pineapple reached a record $76.6 million. Returns from diversified agriculture rose to $171.9 million, 11 percent above the previous year. Receipts from cattle marketings, at $28.1 million, retained the number one position among diversified agriculture, edging out flowers and nursery products which tallied a record $27.4 million. Macadamia nut growers received a record $24.2 million for their crop. Farm earnings from milk totaled $27.1 million and from poultry, $18.2 million. Vegetables and melons had receipts of $18.5 million.

SUMMARY: Acreage in crop and total farm acreage, by islands, 1974-80

Year	Sugarcane	Pineapples[1]	Vegetables and melons[2]	Fruits (excluding pineapples)	Coffee	Macadamia nuts	Miscellaneous crops[3]	Total farm acreage[4]
				1,000 acres				
				STATE 5/				
1974..	224.2	55.0	3.7	4.4	2.9	9.9	3.5	2,200
1975..	221.4	50.0	3.6	4.6	2.4	10.4	5.7	2,150
1976..	221.6	48.0	3.6	5.0	2.4	10.3	5.1	2,100
1977..	220.7	45.0	3.8	5.1	2.4	9.9	6.2	2,050
1978..	220.7	43.0	4.0	5.2	2.3	10.2	6.0	1,980
1979..	218.8	44.0	4.3	5.3	2.1	11.4	4.9	1,980
1980..	**217.7**	**43.0**	**3.9**	**5.2**	**1.9**	**13.4**	**4.9**	**1,970**
				HAWAII				
1974..	98.7		1.2	3.2	2.9	9.8	.8	1,330
1975..	94.8		1.1	3.2	2.4	10.3	1.5	1,290
1976..	94.4		1.1	3.5	2.4	10.2	1.0	1,255
1977..	93.1		1.1	3.4	2.4	9.8	2.6	1,215
1978..	92.6		1.2	3.4	2.3	10.1	2.7	1,150
1979..	91.7		1.6	3.6	2.1	11.1	1.1	1,150
1980..	**91.2**		**1.5**	**3.6**	**1.9**	**12.2**	**1.0**	**1,150**
				KAUAI/NIIHAU				
1974..	45.7		.3	.2		6/	1.0	280
1975..	45.7		.1	.3		6/	1.2	280
1976..	46.0		.1	.3		6/	.5	280
1977..	45.9		.1	.4		6/	.5	280
1978..	46.1		.1	.5		6/	.5	280
1979..	45.8		.1	.6		6/	.7	280
1980..	**46.0**	*	**.1**	**.7**		6/	**.6**	**275**
				MAUI/MOLOKAI/LANAI				
1974..	46.3	39.5	.8	.4		6/	.8	455
1975..	46.6	34.5	1.2	.4		6/	.7	445
1976..	46.9	32.5	1.1	.5		6/	.8	435
1977..	47.5	32.0	1.3	.6		6/	1.6	425
1978..	48.0	31.0	1.3	.6		6/	1.8	425
1979..	47.7	32.0	1.2	.3		6/	1.8	425
1980..	**47.4**	**31.5**	**1.2**	**.1**		6/	**1.9**	**420**
				OAHU				
1974..	33.5	15.5	1.4	.6		6/	.9	135
1975..	34.3	15.5	1.2	.7		6/	2.3	135
1976..	34.3	15.5	1.3	.7		6/	2.8	130
1977..	34.2	13.0	1.3	.7		6/	1.5	130
1978..	34.0	12.0	1.4	.7		6/	1.0	125
1979..	33.6	12.0	1.4	.8		6/	1.3	125
1980..	**33.1**	**11.5**	**1.1**	**.8**		6/	**1.4**	**125**

* = Less than 500 acres.

1/ Land used for pineapple.

2/ Harvested acreage.

3/ Includes taro, seed corn, feed and forage crops (excluding pineapple feed products), and flowers, foliage and nursery products.

4/ Includes land not in crop and pasture such as farm house lots, roads, woodlots, etc.

5/ Sum of island estimates may not add to State total due to rounding.

6/ Island data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Number of crop farms, by islands, 1974-80

Year	Sugar	Pineapples	Vegetables and melons	Fruits (excluding pineapples)	Coffee	Macadamia nuts	Taro	Flowers and nursery products
STATE								
1974.	527	20	436	559	760	400	127	465
1975.	520	20	497	577	780	444	128	502
1976.	520	16	523	628	780	455	124	500
1977.	520	16	504	673	780	456	129	550
1978.	480	16	542	641	750	464	132	600
1979.	400	15	535	683	700	466	121	580
1980.	330	18	585	692	650	466	122	640
HAWAII								
1974.	516		148	330	760	395	38	222
1975.	509		175	346	780	439	40	256
1976.	509		176	394	780	450	43	255
1977.	509		161	406	780	451	48	280
1978.	469		187	393	750	459	47	300
1979.	389		198	407	700	460	41	290
1980.	319		213	410	650	460	41	300
KAUAI								
1974.	5		40	52		3	51	19
1975.	5		48	56		3	48	19
1976.	5		48	70		3	48	20
1977.	5		45	73		3	48	20
1978.	5		51	63		3	52	25
1979.	5		47	74		3	49	25
1980.	5	3	51	78		3	50	25
MAUI/MOLOKAI/LANAI								
1974.	3	18	72	39		1	36	54
1975.	3	18	79	51		1	38	58
1976.	3	14	77	33		1	31	65
1977.	3	14	72	42		1	31	70
1978.	3	14	72	33		1	31	95
1979.	3	13	73	44		2	29	95
1980.	3	13	75	38		2	29	95
OAHU								
1974.	3	2	176	138		1	2	170
1975.	3	2	195	124		1	2	169
1976.	3	2	222	131		1	2	160
1977.	3	2	226	152		1	2	180
1978.	3	2	232	152		1	2	180
1979.	3	2	217	158		1	2	170
1980.	3	2	246	166		1	2	220

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Number of livestock operations and total number of farms, by islands, 1974-80[1]

Year	Cattle[2]	Hogs	Milk	Eggs	Broilers	Honey	Total (non-duplicated)[3]
			STATE				
1974.......	960	580	100	80	15	20	3,800
1975.......	930	620	100	80	10	22	3,900
1976.......	900	640	80	70	11	22	4,000
1977.......	900	640	80	70	10	23	4,100
1978.......	800	650	70	60	10	25	4,300
1979.......	800	650	70	60	10	25	4,300
1980.......	800	650	70	60	10	27	4,300
			HAWAII				
1974.......	400	105	35	35		3	2,200
1975.......	385	90	35	37		3	2,250
1976.......	380	90	30	28		3	2,300
1977.......	385	85	30	28		4	2,400
1978.......	355	85	24	23		3	2,500
1979.......	355	80	24	23		3	2,500
1980.......	360	80	24	23		3	2,500
			KAUAI/NIIHAU				
1974.......	160	60	10	10	2	4	300
1975.......	155	75	10	7	2	4	300
1976.......	150	80	5	7	2	4	300
1977.......	150	100	5	7	2	4	300
1978.......	155	100	5	5	2	12	300
1979.......	155	110	5	6	2	12	300
1980.......	150	110	5	6	2	14	300
			MAUI/MOLOKAI/LANAI				
1974.......	260	125	25	10	1	4	500
1975.......	255	130	25	10		4	500
1976.......	250	130	20	9		4	500
1977.......	255	120	20	9		5	500
1978.......	205	110	17	6		5	500
1979.......	205	100	17	5		5	500
1980.......	210	110	17	5		5	500
			OAHU				
1974.......	140	290	30	25	12	9	800
1975.......	135	325	30	26	8	11	850
1976.......	120	340	25	26	9	11	900
1977.......	110	335	25	26	8	10	900
1978.......	85	355	24	26	8	5	1,000
1979.......	85	360	24	26	8	5	1,000
1980.......	80	350	24	26	8	5	1,000

1/ End of year.

2/ Includes beef, dairy, and dairy replacement operations.

3/ Based on new farm definition of $1,000 or more of agricultural sales.

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Volume of crop marketings, by islands, 1974-80

Year	Sugar (unprocessed cane)	Pineapples (fresh equivalent)	Vegetables and melons	Fruits (excluding pineapples)	Coffee (parchment)	Macadamia nuts (in shell)	Taro
	-------1,000 tons-------		----------1,000 pounds----------				
				STATE 1/			
1974...	9,083	700	58,154	51,527	1,540	16,370	8,835
1975...	9,485	720	63,895	54,411	1,860	18,210	7,592
1976...	9,173	680	63,460	65,620	2,120	18,990	7,350
1977...	8,994	690	68,380	76,830	2,270	19,680	7,870
1978...	9,263	675	72,010	79,120	1,680	20,980	7,680
1979...	9,632	681	70,240	56,600	2,190	26,660	6,640
1980...	**9,214**	**657**	**70,680**	**67,800**	**1,450**	**33,390**	**6,400**
				HAWAII			
1974...	3,629		19,418	37,426	1,540	16,300	2,110
1975...	3,971		20,676	39,745	1,860	18,120	2,023
1976...	3,917		22,520	46,170	2,120	18,940	1,845
1977...	3,649		24,700	46,650	2,270	19,590	1,665
1978...	3,936		27,270	50,000	1,680	20,890	1,550
1979...	4,036		27,910	37,400	2,190	26,570	1,220
1980...	**3,718**		**31,290**	**51,570**	**1,450**	**33,270**	**700**
				KAUAI/NIIHAU			
1974...	1,992		2,678	3,129		2/	5,350
1975...	1,935		2,368	2,706		2/	4,253
1976...	1,833		2,450	3,770		2/	4,420
1977...	1,877		1,900	7,110		2/	4,820
1978...	1,915		2,330	6,130		2/	4,920
1979...	1,992		2,090	6,910		2/	4,330
1980...	**1,873**	*	**1,460**	**8,080**		2/	**4,550**
				MAUI/MOLOKAI/LANAI			
1974...	2,069	511	17,108	3,289		2/	2/
1975...	2,052	499	24,364	5,362		2/	2/
1976...	1,990	457	23,400	8,660		2/	2/
1977...	2,097	454	25,660	15,460		2/	2/
1978...	1,985	488	26,360	15,000		2/	2/
1979...	2,110	491	24,220	5,410		2/	2/
1980...	**2,278**	**479**	**23,980**	**2,200**		2/	2/
				OAHU			
1974...	1,393	189	18,950	7,683		2/	2/
1975...	1,527	221	16,497	6,598		2/	2/
1976...	1,433	223	15,060	7,020		2/	2/
1977...	1,371	236	16,120	7,590		2/	2/
1978...	1,427	187	16,050	7,990		2/	2/
1979...	1,494	190	16,030	6,880		2/	2/
1980...	**1,345**	**178**	**13,950**	**5,950**		2/	2/

* = Less than 500 tons.

1/ Sum of island estimates may not add to State total due to rounding of State estimates to 1,000 hundredweight of some crops included in United States totals.

2/ Island data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Volume of livestock marketings, by islands, 1974-80

Year	Beef (dressed weight)[1]	Pork (dressed weight)	Milk	Eggs	Broilers and chickens (ready-to-cook weight)	Honey
	----------1,000 pounds----------		Million Pounds	Million	------1,000 pounds------	
STATE 2/						
1974...	27,743	7,953	137.4	207	5,853	320
1975...	27,283	7,910	143.7	209	5,659	426
1976...	32,320	7,781	145.8	218	6,121	714
1977...	32,325	8,762	147.5	218	6,158	679
1978...	33,544	9,869	147.3	218	6,786	812
1979...	29,325	7,785	147.3	229	7,136	910
1980...	28,809	8,012	149.4	222	7,890	861
HAWAII						
1974...	17,424	1,235	3/	3/	3/	3/
1975...	17,960	1,063	3/	3/	3/	3/
1976...	20,600	1,158	3/	3/	3/	3/
1977...	20,071	1,222	3/	3/	3/	3/
1978...	21,979	1,190	3/	3/	3/	3/
1979...	17,317	834	3/	3/	3/	3/
1980...	18,201	929	3/	3/	3/	3/
KAUAI						
1974...	2,034	379	3/	3/	3/	3/
1975...	1,828	441	3/	3/	3/	3/
1976...	2,278	338	3/	3/	3/	3/
1977...	2,925	400	3/	3/	3/	3/
1978...	3,170	492	3/	3/	3/	3/
1979...	2,515	378	3/	3/	3/	3/
1980...	3,165	648	3/	3/	3/	3/
MAUI/MOLOKAI						
1974...	6,198	1,421	3/	3/	3/	3/
1975...	5,968	1,792	3/	3/	3/	3/
1976...	7,675	1,826	3/	3/	3/	3/
1977...	7,596	1,685	3/	3/	3/	3/
1978...	6,657	1,879	3/	3/	3/	3/
1979...	7,600	1,658	3/	3/	3/	3/
1980...	5,838	1,852	3/	3/	3/	3/
OAHU						
1974...	2,087	4,918	114.3	168.8	5,508	3/
1975...	1,527	4,614	119.2	171.0	5,314	3/
1976...	1,767	4,459	120.1	181.3	5,667	3/
1977...	1,733	5,455	120.3	190.0	5,765	3/
1978...	1,738	6,308	119.6	186.8	6,450	3/
1979...	1,893	4,915	117.5	197.6	6,739	3/
1980...	1,605	4,583	119.4	192.1	7,550	3/

1/ Includes slaughter cattle but excludes calves shipped out-of-State.

2/ State totals may not add due to rounding.

3/ Island data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Value of crop sales, by islands, 1974-80

Year	Sugar (unprocessed cane)	Pineapples (fresh equivalent)[1]	Vegetables and melons	Fruits (excluding pine apples)	Coffee (parchment)
			1,000 dollars		
			STATE		
1974.......	442,300	40,259	10,013	6,637	714
1975.......	237,000	41,616	11,529	7,347	1,399
1976.......	164,700	52,983	12,230	7,966	3,922
1977.......	144,200	62,249	15,108	9,365	3,133
1978.......	182,700	63,090	16,585	10,488	2,117
1979.......	217,600	69,409	18,388	11,956	3,132
1980.......	**385,100**	**76,596**	**18,501**	**12,983**	**2,175**
			HAWAII		
1974.......	165,400		2,864	4,843	714
1975.......	87,800		3,344	5,558	1,399
1976.......	60,800		3,831	5,678	3,922
1977.......	51,900		4,889	5,781	3,133
1978.......	68,600		5,616	6,547	2,117
1979.......	79,500		6,624	7,674	3,132
1980.......	**137,500**		**7,274**	**9,619**	**2,175**
			KAUAI		
1974.......	96,700		650	398	
1975.......	51,300		598	417	
1976.......	33,900		608	578	
1977.......	32,200		553	1,046	
1978.......	39,600		659	872	
1979.......	47,700		722	2,610	
1980.......	**83,600**		**537**	**1,536**	
			MAUI/MOLOKAI/LANAI		
1974.......	110,400	25,626	2,586	347	
1975.......	55,900	25,010	3,492	406	
1976.......	41,300	30,309	3,877	610	
1977.......	37,100	30,578	4,810	1,260	
1978.......	43,600	28,340	4,897	1,574	
1979.......	52,200	32,936	4,895	246	
1980.......	**100,800**	**36,404**	**5,276**	**384**	
			OAHU		
1974.......	69,800	14,633	3,913	1,049	
1975.......	42,000	16,606	4,095	966	
1976.......	28,700	22,674	3,914	1,100	
1977.......	23,000	31,671	4,856	1,278	
1978.......	30,900	34,750	5,413	1,495	
1979.......	38,200	36,473	6,147	1,426	
1980.......	**63,200**	**40,192**	**5,414**	**1,444**	

See footnotes at end of table.

Continued

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Value of crop sales, by islands, 1974-80 -- Continued

Year	Macadamia nuts (in shell)	Taro	Field crops (not estimated separately)2	Flowers and nursery products3	Total crops4
			1,000 dollars		
			STATE		
1974....	5,238	900	3,071	8,211	517,523
1975....	5,754	851	3,861	9,767	319,304
1976....	7,007	889	3,843	11,828	265,498
1977....	8,029	999	2,948	14,003	260,164
1978....	11,287	1,029	3,224	17,458	308,098
1979....	16,769	1,089	3,557	20,778	362,788
1980....	**24,174**	**1,280**	**3,971**	**27,441**	**552,321**
			HAWAII		
1974....	5,216	220	52	3,036	182,487
1975....	5,726	253	286	3,554	108,062
1976....	6,989	264	56	4,919	86,561
1977....	7,992	245	343	6,396	80,781
1978....	11,239	264	238	8,627	103,346
1979....	16,712	239	100	9,780	123,854
1980....	**24,071**	**162**	**60**	**12,089**	**193,040**
			KAUAI		
1974....	5/	535	619	122	99,051
1975....	5/	451	636	304	53,739
1976....	5/	491	502	93	36,191
1977....	5/	588	477	170	35,071
1978....	5/	615	655	279	42,719
1979....	5/	641	935	153	52,813
1980....	**5/**	**865**	**954**	**615**	**88,165**
			MAUI/MOLOKAI/LANAI		
1974....	5/	5/	1,565	981	141,663
1975....	5/	5/	1,618	1,214	87,797
1976....	5/	5/	1,793	1,345	79,374
1977....	5/	5/	1,027	1,696	76,643
1978....	5/	5/	1,267	2,467	82,300
1979....	5/	5/	1,536	2,899	94,924
1980....	**5/**	**5/**	**1,774**	**4,342**	**149,220**
			OAHU		
1974....	5/	5/	835	4,072	92,322
1975....	5/	5/	1,321	4,695	69,706
1976....	5/	5/	1,492	5,471	63,372
1977....	5/	5/	1,101	5,741	67,669
1978....	5/	5/	1,064	6,085	79,733
1979....	5/	5/	986	7,946	91,197
1980....	**5/**	**5/**	**1,183**	**10,395**	**121,896**

1/ State value allocated by island using estimates of pineapple employment - Department of Labor and Industrial Relations prior to 1975.

2/ Forage and grain crops.

3/ Flowers, foliage, and nursery products.

4/ Total crop values shown for individual islands for 1974-1980 are actual. Sum of individual commodities may not add to total. Forest product's value combined and included in total crop value.

5/ Island data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

Note: Data for period 1974-79 includes revisions for some years.

SUMMARY: Value of livestock sales, total value of crop and livestock sales, and government payments, by islands, 1974-80

Year	Cattle[1]	Hogs[1]	Milk	Eggs	Broilers and chickens	Other[2]	Total livestock[3]	Total crops and livestock	Government payments[4]
					1,000 dollars				
					STATE				
1974..	18,286	5,822	19,387	11,385	2,807	222	57,909	575,432	
1975..	17,412	6,149	20,549	11,234	2,638	289	58,271	377,575	58
1976..	18,511	6,670	21,943	11,808	2,977	413	62,322	327,820	132
1977..	18,837	7,115	23,158	12,408	3,125	375	65,018	325,182	24,849
1978..	24,370	7,961	23,715	12,699	3,335	477	72,557	380,655	4,594
1979..	28,356	7,027	24,894	14,007	3,655	525	78,464	441,252	745
1980..	28,074	7,457	27,071	14,005	4,181	461	81,249	633,570	716
					HAWAII				
1974..	11,513	865	5/	1,324	28	119	15,131	197,618	
1975..	11,745	779	5/	1,381	35	205	15,574	123,636	34
1976..	11,599	957	5/	1,328	5/	316	15,825	102,386	62
1977..	11,485	888	5/	893	5/	316	15,307	96,088	8,968
1978..	16,004	968	5/	858	5/	340	19,946	123,292	1,879
1979..	17,323	784	5/	5/	5/	352	21,290	145,144	522
1980..	17,973	892	5/	5/	5/	312	22,446	215,486	542
					KAUAI				
1974..	1,263	298	5/	5/	127	27	2,768	101,819	
1975..	1,196	370	5/	5/	111	23	2,845	56,584	2
1976..	1,372	308	5/	5/	5/	22	2,983	39,174	5
1977..	1,848	380	5/	5/	5/	13	3,590	38,661	5,419
1978..	2,252	486	5/	5/	5/	33	4,313	47,032	950
1979..	2,137	391	5/	5/	5/	29	4,376	57,189	60
1980..	3,118	674	5/	5/	5/	34	5,721	93,886	41
					MAUI/MOLOKAI/LANAI				
1974..	4,190	1,103	5/	5/	16	43	7,907	149,570	
1975..	3,703	1,431	5/	5/	22	30	7,136	94,933	19
1976..	4,592	1,630	5/	5/	5/	54	8,429	87,803	47
1977..	4,664	1,483	5/	5/	5/	32	8,557	85,200	6,454
1978..	5,030	1,628	5/	5/	5/	67	9,167	91,467	1,056
1979..	7,178	1,625	5/	5/	5/	112	11,546	106,470	101
1980..	5,580	1,865	5/	5/	5/	104	10,073	159,293	87
					OAHU				
1974..	1,320	3,556	15,611	8,947	2,636	33	32,103	126,425	
1975..	768	3,569	16,986	8,892	2,470	31	32,716	102,422	3
1976..	948	3,775	18,075	9,521	2,745	21	35,085	98,457	18
1977..	840	4,364	18,827	10,586	2,933	14	37,564	105,233	4,008
1978..	1,064	4,879	19,340	10,663	3,148	37	39,131	118,864	709
1979..	1,718	4,227	19,975	11,856	3,444	32	41,252	132,449	62
1980..	1,403	4,026	21,719	11,862	3,988	11	43,009	164,905	46

1/ Excludes interfarm sales; includes out-of-State sales of slaughter cattle and feeder calves.

2/ Includes sheep, wool, turkeys, horses, honey, and beeswax.

3/ Total livestock value shown for individual islands for 1974-1980 are actual. Sum of individual commodities may not add to total.

4/ Includes all government payments, such as Agricultural Conservation Program, Emergency Conservation Program, Forestry Incentives Program, Emergency Feed Program, wool payments, and sugar support.

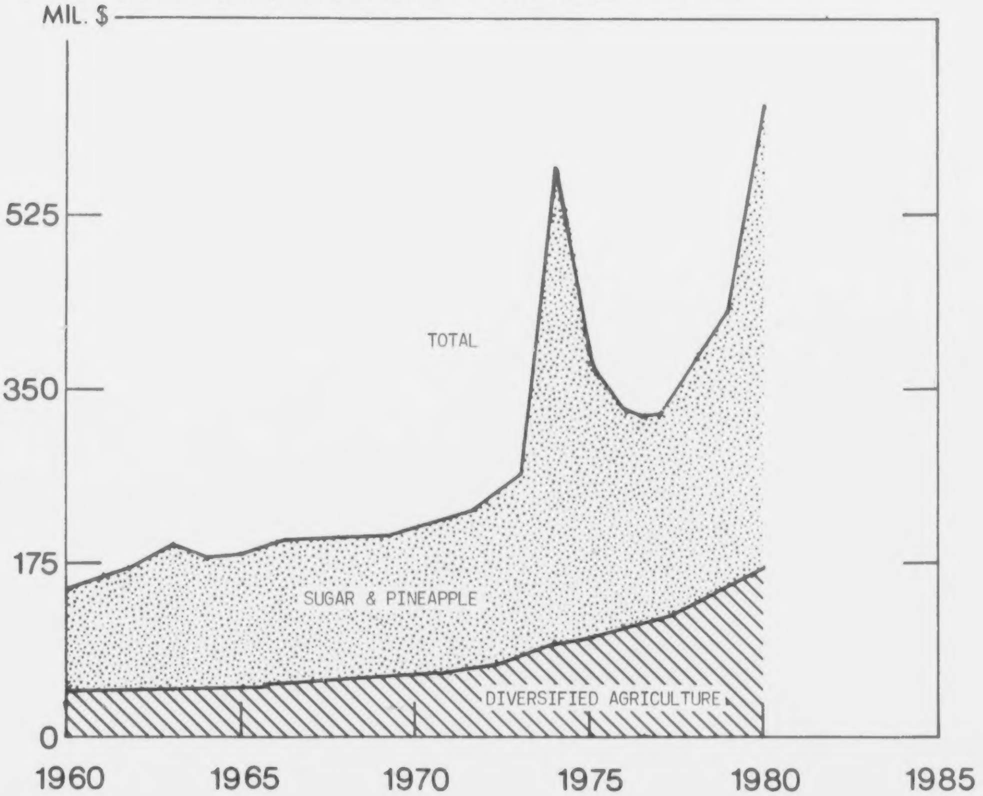
5/ Island data not shown separately to avoid disclosure of individual operations but combined and included in State total.

Note: Data for period 1974-79 includes revisions for some years.

Diversified agriculture ranked by value, State of Hawaii, 1978-80

Crops	Rank			Value of production			Percent of diversified agriculture		
	1978	1979	1980	1978	1979	1980	1978	1979	1980
				1,000 dollars					
Cattle.............	1	1	1	24,370	28,356	28,074	18.1	18.4	16.3
Flowers and nursery products..	3	3	2	17,458	20,778	27,441	13.0	13.5	16.0
Milk...............	2	2	3	23,715	24,894	27,071	17.6	16.2	15.7
Macadamia nuts.....	6	5	4	11,287	16,769	24,174	8.4	10.9	14.1
Vegetables and melons............	4	4	5	16,535	18,337	18,501	12.3	11.9	10.8
Eggs...............	5	6	6	12,699	14,007	14,005	9.4	9.1	8.1
Fruits (excluding pineapple)........	7	7	7	10,321	11,788	12,983	7.7	7.6	7.6
Hogs...............	8	8	8	7,961	7,027	7,457	5.9	4.6	4.3
Broilers and chickens..........	10	10	9	3,335	3,655	4,181	2.5	2.4	2.4
Forage, grain, and forest products...	9	9	10	3,344	3,707	4,071	2.5	2.4	2.4
Coffee.............	11	11	11	2,117	3,132	2,175	1.6	2.0	1.3
Taro...............	12	12	12	1,029	1,089	1,280	.7	.7	.7
Other livestock....	13	13	13	477	525	461	.3	.3	.3
TOTAL............				134,648	154,064	171,874	100.0	100.0	100.0

CASH RECEIPTS OF AGRICULTURAL COMMODITIES, STATE OF HAWAII, 1960-80



HARS

Gross income and net income from farming, State of Hawaii, 1975-79[1]

Year	Gross farm income					Farm production expenses	Net farm income before inventory adjustment[2]	Net change in farm inventories	Net income after inventory adjustment[2]
	Cash receipts from farm marketings	Government payments	Non-money income	Other farm cash receipts	Total				
	Million dollars								
1975..	377.7	8.6	11.5	12.9	410.8	268.4	142.4	.3	142.8
1976..	329.2	.4	12.8	14.2	356.7	273.7	83.0	-1.1	81.9
1977 3/.	325.5	4/24.7	13.9	16.0	380.1	241.4	138.7	-1.2	137.5
1978..	380.5	4/4.9	16.5	17.5	419.4	256.5	162.9	-5.7	157.2
1979..	418.9	.7	20.2	21.9	461.8	308.3	153.4	-.9	152.6

1/ Details may not add to totals due to rounding. 2/ Of farm operators. 3/ Beginning with 1977, based on the 1974 Census of Agriculture definition of a farm, which is a farm with sales of $1,000 or more. 4/ Does not include an additional $24.0 million paid but allocated to the raw sugar processing and refining segment of the sugar industry in 1977 and $4.0 million in 1978.

Source: Economic Indicators of the Farm Sector, Statistical Bulletin No. 661, March 1981, U. S. Department of Agriculture, Economics and Statistics Service.

Farm production expense, State of Hawaii, 1977-79[1]

Year	Current farm operating expenses						
	Feed	Livestock	Seed[2]	Fertilizer and lime	Repairs and operation of capital items[3]	Hired labor[4]	Miscellaneous[5]
	Million dollars						
1977...	34.2	2.3	1.3	20.6	18.0	108.5	23.2
1978...	31.1	2.6	1.6	24.9	19 0	112.7	27.1
1979...	35.6	3.0	1.9	33.8	24.4	132.7	32.5

Year	Total current farm operating expenses	Depreciation and other consumption of farm capital[6]	Taxes on farm property	Interest on farm mortgage debt	Net rent to nonoperator landlords	Total production expenses
	Million dollars					
1977...	208.0	16.5	5.8	5.5	5.6	241.4
1978...	219.1	18.3	6.2	6.4	6.6	256.5
1979...	263.9	22.1	6.8	7.8	7.7	308.3

1/ Details may not add to totals because of rounding. 2/ Includes bulbs, plants and trees. 3/ Repairs and maintenance of buildings, repairs and operation of motor vehicles and other machinery, and petroleum fuel and oil used in the farm business. 4/ Includes cash wages, perquisites, and (1951 to date) Social Security taxes paid by employers. 5/ Includes binding, cotton ginning, federal crop insurance, containers, dairy supplies, electricity, greenhouse and nursery, grazing fees, harness and saddlery, net insurance premiums (fire, wind and crop hail), irrigation, livestock marketing service (excl. feed and transportation), milk hauling, miscellaneous hardware (incl. blacksmithing), machine hire and custom work, miscellaneous livestock and poultry supplies, pesticides, small hand tools, short term interest, telephones (business share), vet. services and medicines (plus insem.) and other miscellaneous. 6/ Includes depreciation and accidental damage to farm buildings and depreciation of motor vehicles and other farm machinery and equipment.

Source: Economic Indicators of the Farm Sector, Statistical Bulletin No. 661, March 1981, U. S. Department of Agriculture, Economics and Statistics Service.

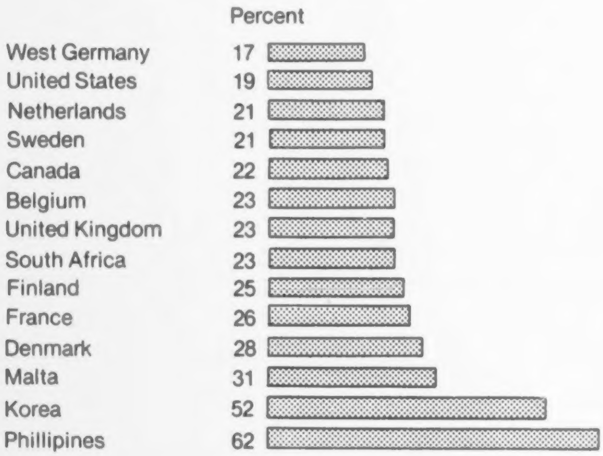
General Economy

Personal consumption expenditures grew faster than incomes in 1979, as the personal saving rate fell to a 30-year low during the fourth quarter. Consumers are expected to pull back from the marketplace in 1980 in an attempt to repay record high debt levels.

Expenditures for services grew faster than for other goods during 1979. Expenditures for food rose $30.4 billion, an increase of 11.2 percent. After adjusting for inflation, constant dollar food expenditures rose just 1 percent.

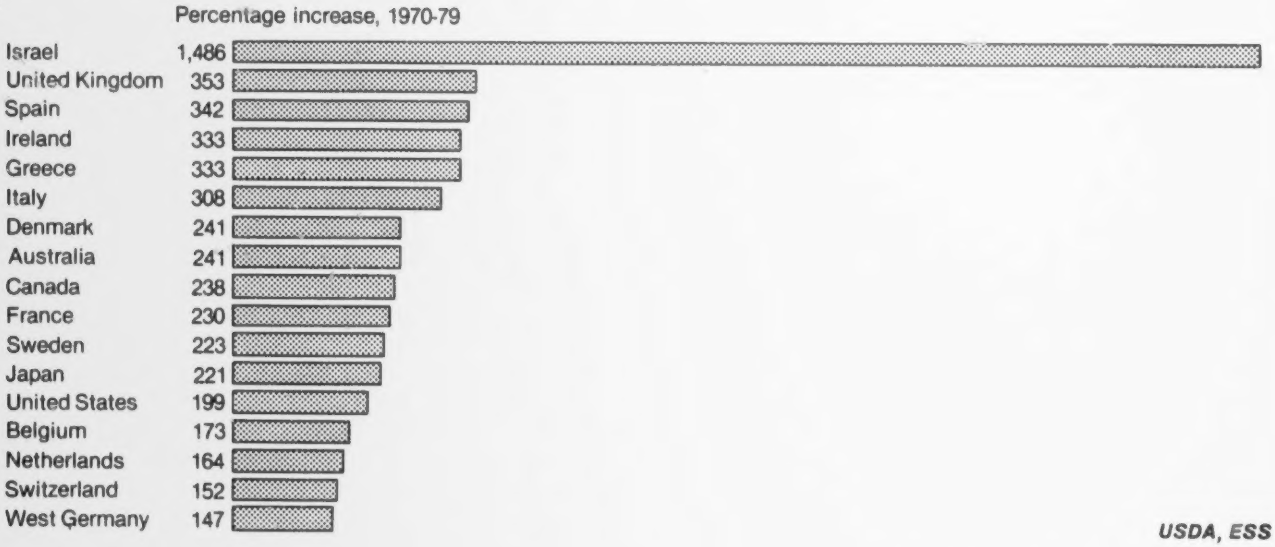
The share of after-tax income spent for food held about steady in 1979 at a little more than 16 percent. Worldwide, the U.S. share compares favorably with other countries, since Americans spend a relatively smaller proportion of their incomes for food on the average.

Share of After-Tax Income Spent on Food



1975-77 data. Canada and United States include nonalcoholic beverages.
West Germany includes alcoholic and nonalcoholic beverages.
Source: U.N. National Accounts of Statistics and National Sources.

Increase in World Food Prices



USDA, ESS

1980 CROP SUMMARY

The year started with what turned out to be the most severe storm of 1980 when a "Kona storm" buffeted the Hawaiian chain January 8 and 9. The high winds and heavy rains caused extensive damage to properties and crops. Gale force winds in excess of 70 miles per hour were reported in many sections causing structural damage to homes and farm buildings. Electrical lines were down which created storage problems of not only farm products but other goods that depend on reefer facilities. Torrential rains inundated homes and farm lands. Road washouts and mudslides were common in many sections of the islands. Farm activities were almost at a standstill. Barge service from the other islands to Oahu was curtailed because of the inclement weather. Damage to fruit crops was heavy. Avocado fields in the Kona area of Hawaii, banana orchards in the windward sections of Oahu and papaya plantings on Kauai were all battered. The strong winds caused isolated damage to exposed macadamia nut trees in the Kona, Ka'u and Hamakua districts of Hawaii. Flower and nursery growers suffered some losses on all islands, mainly from structural damage to greenhouses and shade structures. Losses to truck crops also occurred in most of the major crop areas. Excessive moisture caused waterlogging and rot to crops in many areas reducing output and plantings. Heavy rains came again during the third week of March. The brunt of the storm was on Hawaii and Oahu. Farm activities, mainly harvesting, were curtailed for the second time during the first quarter. Improved weather thereafter enabled plantings to make fair to good progress. The year ended with additional rain and wind during the first and second weeks of December, generally on Kauai and Oahu. Rains were beneficial but strong winds, reaching 60 miles per hour or more velocity, caused damage to banana and papaya orchards. Truck crops in exposed areas were heavily bruised resulting in poor quality. However, in spite of all this adverse weather, some sections of Hawaii remained dry and irrigation was frequent, maintaining fair to good progress. Total harvest of most commodities was up compared with the previous year.

SUGAR production in 1980 dipped to 1.02 million tons from the 1.06 million tons a year earlier. Correspondingly, acreage harvested at 97.4 thousand acres was below the 100.6 thousand acres harvested in 1979. Despite this drop, the farm value of sugarcane rose to $385.1 million, the second highest on record. The increase was 77 percent above 1979 because of higher returns per ton of sugar. The processed value of sugar and molasses hit $594.1 million. Inclement weather during the first quarter interrupted harvesting and plantings. Sugarcane yield per acre was down on Hawaii and Kauai, while yield was up on Maui and Oahu.

PINEAPPLE production declined 4 percent in 1980 to a total of 657,000 tons. An increase in fresh utilization was not enough to offset a drop in the amount going to processing. Higher fresh market prices along with a higher farm value for the processed portion of the crop pushed the total farm value to a record $76.6 million.

It was another year of record high value for Hawaii's **FLOWER AND NURSERY** growers as their 1980 sales hit $27.4 million. The 1980 value was 32 percent above the previous record set in 1979. Highlights show that the two leading crops, anthuriums and potted foliage plants for indoor use, had values of $6.9 million and $4.9 million respectively. The value of potted orchids reached $2.2 million, a 48 percent increase from the previous year. Lei flowers were valued at $3.2 million, up from the 1979 value of $2.6 million. Sales of dendrobium orchids as cut sprays, blooms for lei, and potted plants reached $1.7 million. Protea growers sold 914,000 blooms in 1980, down 9 percent from the previous year. Adverse weather and cultural problems were reported to be responsible for last year's drop in production. Despite the bloom decline, cash receipts of $294,000 were up slightly compared to a year earlier. Unfinished flower and foliage plant stock (mostly foliage plants, consisting of rooted cuttings, etc., for growing on), surpassed the million dollar mark in 1980, hitting $1.5 million.

The 1980-81 **MACADAMIA NUT** harvest hit another record high with a 33.4 million pound (in-shell basis) crop. This was a 25 percent increase from the previous crop year. A severe storm in January caused isolated damage to some orchards on Hawaii. Total acreage and acreage for harvest were both up. Total acreage jumped to 13,400 acres, a result of new plantings coupled with some reclaimed orchards. Similarly, the rejuvenated acreage, along with more acreage reaching maturity, pushed the bearing acres to 10,400. Prices returned to growers averaged 72.4 cents per pound (in-shell basis) for this year's crop, boosting the value to $24.2 million, another record high. Moisture content was 20 percent for the entire crop.

VEGETABLE AND MELON production totaled 70.7 million pounds in 1980, a slight gain over the previous year's 70.2 million pounds. The early-year storm affected many of the crop areas. Yield reduction from spoilage was common in the lowland sections. More rains in March slowed crop progress. Favorable weather returned in the spring and farm activities and crop development accelerated without serious interruptions from any vagaries of nature. As a result, yields for some crops reached record high levels. Another light storm during year-end affected crop progress on Kauai and Oahu. The island of Hawaii was the only island for which output increased from the previous year. Its 44 percent share of the State's total volume was 4 percent above last year. Tomato harvest accounted for half of the production increase followed by Chinese cabbage and lettuce. The other three islands' contributions were Maui, 34 percent; Oahu, 20 percent; and Kauai, 2 percent. Prices returned to growers were up for most crops, but the increases were minimal. Cash receipts totaled a record high $18.5 million, fractionally exceeding the old record of $18.4 million of a year ago. **TARO** production dipped to 6.4 million pounds, down 4 percent from last year and the lowest output on record. But the value of $1.3 million was still ahead of the previous record high of $1.1 million. Taro acreage plummetted to 320 acres. Replantings were almost nil in the Waipio Valley area of Hawaii during 1980. Most of the year was devoted to realigning the stream, dikes, and patches damaged by the torrential rains of 1979.

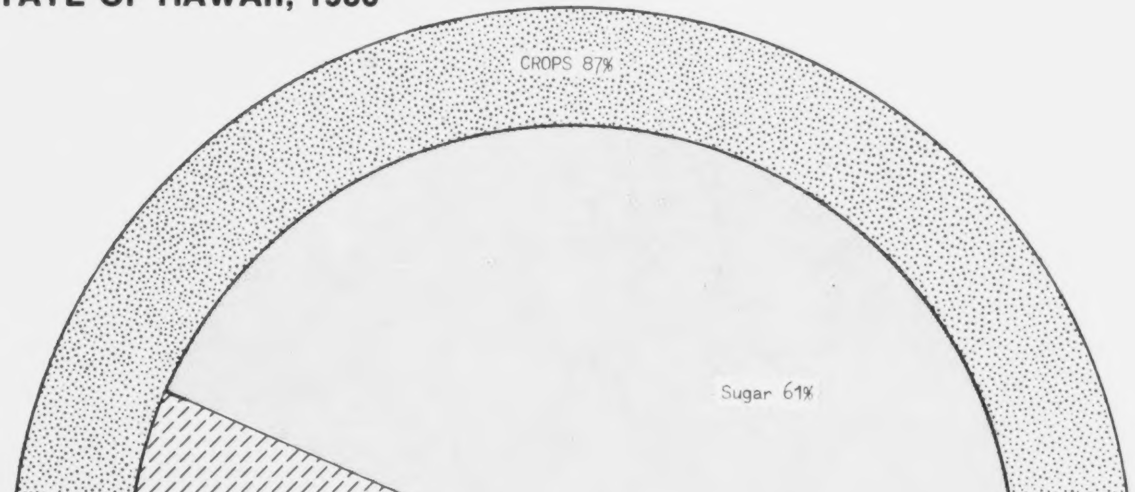
FRUIT production (excluding pineapple) bounced back to 67.8 million pounds in 1980, up from the 56.6 million pounds of 1979. Increased output of guavas, avocados, and papayas more than offset decreases of bananas, oranges, and tangerines. Farm production of guava was up a sharp 67 percent from 1979, and, combined with wild fruit pushed the quantity processed to nearly 10 million pounds. Avocado production on Hawaii, mainly in the Kona district, climbed steadily. Younger orchards are reaching maturity. Papaya volume at 48.9 million pounds rose 19 percent over the previous year when a severe storm affected yields on Hawaii. A 17 percent drop in production occurred for bananas. Inclement weather during the first quarter, especially on Oahu, contributed to this decline. Acreage utilized for fruit production, at 5.2 thousand acres, remained virtually the same as a year ago. There were no substantial increases or decreases in acreage in each of the fruit categories. The value of the industry climbed to a record high of $13.0 million, up from the $12.0 million of the previous year.

COFFEE production for the 1980-81 crop is estimated at a record low 1.45 million pounds (parchment basis). This drastic drop in harvest is attributed to the early January 1980 windstorm which battered the Kona fields on Hawaii. Most of the first flowerings were affected causing poor berry settings. Total and bearing acreage decreased to 1,900 and 1,700 acres, respectively. Coffee prices returned to growers averaged $1.50 per pound with a value of $2.2 million for this crop year.

Principal crops ranked by value, State of Hawaii, 1978-80

Crops	Rank			Value of production			Percent of all crops		
	1978	1979	1980	1978	1979	1980	1978	1979	1980
				----1,000 dollars----					
Sugar..................	1	1	1	182,700	217,600	**385,100**	59.3	60.0	**69.7**
Pineapple..............	2	2	2	63,090	69,409	**76,596**	20.5	19.1	**13.9**
Macadamia nuts.........	3	3	3	11,287	16,769	**24,174**	3.7	4.6	**4.4**
Papayas................	4	4	4	8,304	9,510	**9,979**	2.7	2.6	**1.8**
Anthuriums.............	5	5	5	5,017	5,568	**6,878**	1.6	1.5	**1.2**
Potted foliage plants..	6	6	6	3,441	4,052	**4,943**	1.1	1.1	**.9**
Tomatoes...............	9	8	7	2,002	2,170	**2,387**	.6	.6	**.4**
Coffee.................	8	7	8	2,117	3,132	**2,175**	.7	.9	**.4**
Lettuce................	7	9	9	2,153	1,983	**1,950**	.7	.5	**.4**
Head cabbage...........	10	10	10	1,449	1,526	**1,741**	.5	.4	**.3**

CROPS AND LIVESTOCK RANKED BY VALUE, STATE OF HAWAII, 1980



HARS

WEATHER: Precipitation, selected stations, State of Hawaii, 1980

STATIONS	YEAR AND NORMAL	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	ANNUAL	% OF NORMAL
		Inches													
ISLAND OF HAWAII															
Hawaii Volcanoes National Park HQ (54).	Normal	10.61	10.23	11.75	10.10	7.75	4.67	5.23	7.20	4.58	6.89	11.47	12.33	102.81	
	1980	3.97	2.89	70.36	8.40	6.89	8.85	5.64	4.19	7.37	5.99	5.99	2.53	133.07	129.4
Hawi (168)............	Normal	4.70	4.34	5.22	5.04	3.56	2.96	3.93	4.19	2.27	3.61	4.02	5.92	49.76	
	1980	--	4.58	21.07	9.53	5.23	4.48	3.78	3.53	4.41	5.17	3.87	4.40	70.05	140.8
Hilo Airport (87)......	Normal	9.07	12.90	13.69	12.88	10.07	6.61	9.54	10.88	7.44	10.96	13.77	15.76	133.57	
	1980	.91	4.14	49.93	11.01	5.88	9.66	9.17	8.24	13.51	7.48	7.04	.31	127.28	95.3
Honaunau (27)..........	Normal	2.50	2.26	3.26	3.59	4.57	4.83	4.79	5.06	4.53	4.01	2.61	2.20	44.21	
	1980	9.15	2.43	9.43	4.14	4.90	6.05	4.00	*	NA	NA	NA	NA	1/	
Naalehu (14)..........	Normal	7.97	5.85	5.53	2.70	2.18	1.79	1.58	3.92	3.36	3.88	5.21	4.57	48.54	
	1980	1.73	.64	24.09	1.73	3.88	.74	1.68	2.18	2.49	1.30	1.60	2.74	44.80	92.3
Pahoa (65).............	Normal	11.02	13.17	15.16	12.59	11.87	8.10	10.20	11.13	8.50	11.81	14.28	17.28	145.11	
	1980	4.70	6.10	43.89	13.43	*	v23.75	12.23	9.80	2/10.43	8.05	8.21	2.33	142.92	98.5
Kamuela (192.2)........	Normal	4.21	3.78	3.97	3.55	2.20	1.57	2.31	2.52	1.07	2.03	2.78	4.84	34.83	
	1980	9.93	2.62	12.40	--	NA	NA	NA	NA	2.07	3.62	1.30	.87	1/	
ISLAND OF KAUAI															
Eleele (927)..........	Normal	5.74	3.39	3.28	2.39	1.74	1.10	1.33	1.79	1.40	2.61	3.60	5.12	33.49	
	1980	3.39	2.35	3.49	.59	5.31	3.76	1.25	.40	2/.73	2.01	.47	4.30	28.05	83.8
Kekaha (944)...........	Normal	4.63	2.57	2.37	1.56	1.04	.25	.39	.75	.74	1.72	2.18	4.24	22.44	
	1980	2.71	1.53	.38	0	3.37	.96	.07	.87	0	.13	.05	4.45	14.52	64.7
Kilauea (1134).........	Normal	7.26	5.65	8.17	6.18	5.09	3.37	4.60	4.52	4.18	5.21	7.22	6.98	68.43	
	1980	5.37	3.54	6.37	5.42	10.99	4.67	7.87	2.76	NA	NA	NA	NA	1/	
Wailua Uka (1062)......	Normal	9.42	7.09	8.28	7.07	5.45	4.07	5.68	6.60	4.65	7.45	9.03	9.41	84.20	
	1980	2/4.28	1.78	5.33	6.82	11.96	8.11	7.12	2.70	2/7.97	7.58	3.97	5.97	73.59	87.4
ISLAND OF LANAI															
Lanai City (672).......	Normal	5.94	3.22	4.52	3.29	3.11	1.28	2.14	1.63	2.22	2.48	4.13	4.13	38.09	
	1980	14.35	6.49	2.09	2.15	4.83	.50	4.44	1.63	.91	0	.16	5.64	43.19	113.4
ISLAND OF MAUI															
Hamakuapoko (485)......	Normal	5.10	4.85	5.81	4.50	2.83	2.39	3.60	3.65	1.89	3.69	5.07	6.73	50.11	
	1980	11.08	4.75	14.91	8.22	5.23	3.82	4.86	3.43	2/2.32	4.05	1.41	.74	64.82	129.3
Hana Airport (355).....	Normal	9.47	7.93	8.85	7.14	5.70	3.82	5.28	5.78	4.85	6.48	8.16	6.76	80.22	
	1980	13.97	7.67	19.68	9.22	6.16	5.01	7.89	8.48	7.20	6.53	1.30	2.11	95.22	118.7
Kihei (311)............	Normal	3.67	1.76	2.03	.79	.27	.10	.15	.19	.07	.68	1.69	2.39	13.79	
	1980	10.69	5.01	1.49	.67	.57	T	.18	T	0	0	0	1.66	20.27	147.0
Kula Sanatorium (267)..	Normal	5.64	3.45	3.53	2.98	2.20	1.41	2.17	2.07	1.93	1.91	2.95	3.61	33.85	
	1980	17.67	10.57	5.54	3.93	3.92	1.89	1.79	2.31	1.47	.08	0	4.16	53.33	157.5
Lahaina (361)..........	Normal	3.70	1.65	2.04	.93	.48	.09	.21	.33	.23	.90	2.07	2.86	15.51	
	1980	11.27	5.89	2.65	.44	.76	0	.07	.08	.02	0	0	2.96	24.14	155.6
Wailuku (386)..........	Normal	4.88	3.81	4.16	2.41	1.02	.43	.74	.77	.49	1.86	2.79	4.65	28.01	
	1980	22.38	5.02	3.14	3.39	.64	.35	.71	1.00	.25	.42	.04	2.31	39.65	141.5
ISLAND OF MOLOKAI															
Molokai Airport (524)..	Normal	4.64	2.84	3.90	1.90	1.14	.48	.74	.76	.70	1.59	3.48	4.37	26.54	
	1980	--	--	2.05	2.29	3.44	--	.58	1.56	.42	.57	.20	2.58	13.69	51.6
ISLAND OF OAHU															
Kahuku (HI09)..........	Normal	4.40	3.10	4.40	2.90	1.90	1.30	1.70	2.10	1.90	2.50	3.40	4.10	39.40	
	1980	2.85	1.83	2.30	2.62	2.56	1.20	1.49	2.14	1.22	1.90	.86	1.54	22.51	57.1
Waialua (847)..........	Normal	4.99	3.65	3.84	2.32	1.34	.44	.95	1.26	.67	2.27	3.15	4.64	29.52	
	1980	12.16	3.49	7.03	2.06	2.73	2.77	.85	.78	.50	1.74	.52	7.14	41.73	141.4
Waianae (798)..........	Normal	3.79	3.13	2.31	1.12	.61	.35	.38	.84	.77	1.87	1.81	2.66	19.64	
	1980	--	2.67	1.70	.11	--	--	1.74	.04	.24	.61	.09	5.34	12.54	63.8
Waimanalo Experimental Farm (795.1)..........	Normal	8.35	3.98	5.80	4.11	2.83	1.22	1.92	1.88	1.81	3.59	6.31	6.26	48.06	
	1980	14.67	5.40	1.40	2.61	9.62	1.74	1.45	2.56	1.53	.92	.57	12.49	54.96	114.3
Waipahu (750)..........	Normal	5.00	2.71	3.20	1.88	1.20	.36	.76	.92	.84	2.04	3.35	4.09	26.35	
	1980	12.25	3.08	2.56	1.11	1.03	1.65	.64	.30	2/1.70	.66	.46	4.43	29.87	113.3

-- = No record. * = Amount included in the following measurement, time distribution unknown. NA = Not available.
v = Includes total for previous month. T = Trace; amount too small to measure.

1/ Reading at different stations during the year. Incomplete data for annual total.

2/ Carried over from previous month.

Source: U. S. Department of Commerce, National Oceanic and Atmospheric Administration.

SUGARCANE: Number of farms, acreage, yield, production, price, and value, by islands, 1975-80[1]

Year	Farms[2]	Acreage		Yield per acre (cane)[3]	Production of cane for sugar	Farm price[3]	Value of cane for sugar[4]
		In crop[2]	Harvested for sugar				
	Number	-----1,000 acres-----		Tons	1,000 tons	Dollars per ton	Million dollars
				STATE			
1975...	520	221.4	105.1	90.2	9,485	25.00	237.0
1976...	520	221.6	99.9	91.8	9,173	18.00	164.7
1977...	520	220.7	96.8	92.9	8,994	16.00	144.2
1978...	480	220.7	99.4	93.2	9,263	19.70	182.7
1979...	400	218.8	100.6	95.7	9,632	22.60	217.6
1980...	330	217.7	97.4	94.6	9,214	41.80	385.1
				HAWAII			
1975...	509	94.8	42.7	93.0	3,971	22.10	87.8
1976...	509	94.4	38.9	100.7	3,917	15.50	60.8
1977...	509	93.1	36.0	101.3	3,649	14.20	51.9
1978...	469	92.6	38.4	102.4	3,936	17.40	68.6
1979...	389	91.7	39.4	102.5	4,036	19.70	79.5
1980...	319	91.2	37.4	99.5	3,718	37.00	137.5
				KAUAI			
1975...	5	45.7	22.6	85.6	1,935	26.50	51.3
1976...	5	46.0	22.2	82.6	1,833	18.50	33.9
1977...	5	45.9	22.2	84.6	1,877	17.20	32.2
1978...	5	46.1	22.1	86.7	1,915	20.70	39.6
1979...	5	45.8	23.2	85.7	1,992	24.00	47.7
1980...	5	46.0	22.5	83.4	1,873	44.60	83.6
				MAUI			
1975...	3	46.6	23.1	88.8	2,052	27.20	55.9
1976...	3	46.9	22.2	89.6	1,990	20.80	41.3
1977...	3	47.5	22.9	91.6	2,097	17.70	37.1
1978...	3	48.0	22.8	87.1	1,985	22.00	43.6
1979...	3	47.7	21.0	100.6	2,110	24.70	52.2
1980...	3	47.4	22.5	101.3	2,278	44.20	100.8
				OAHU			
1975...	3	34.3	16.7	91.4	1,527	27.50	42.0
1976...	3	34.3	16.6	86.3	1,433	20.00	28.7
1977...	3	34.2	15.7	87.4	1,371	16.80	23.0
1978...	3	34.0	16.1	88.9	1,427	21.60	30.9
1979...	3	33.6	17.0	87.8	1,494	25.60	38.2
1980...	3	33.1	15.0	89.5	1,345	47.00	63.2

1/ Primary data source, Hawaiian Sugar Planters' Association.

2/ At end of year.

3/ Yield and farm price may not compute exactly due to rounding.

4/ Value of cane for sugar estimated by deducting processing and marketing costs from value of sugar and molasses. Processing costs based on toll charges paid by independent producers.

SUGAR: Production of raw sugar and molasses, price, and value, by islands, 1976-80[1]

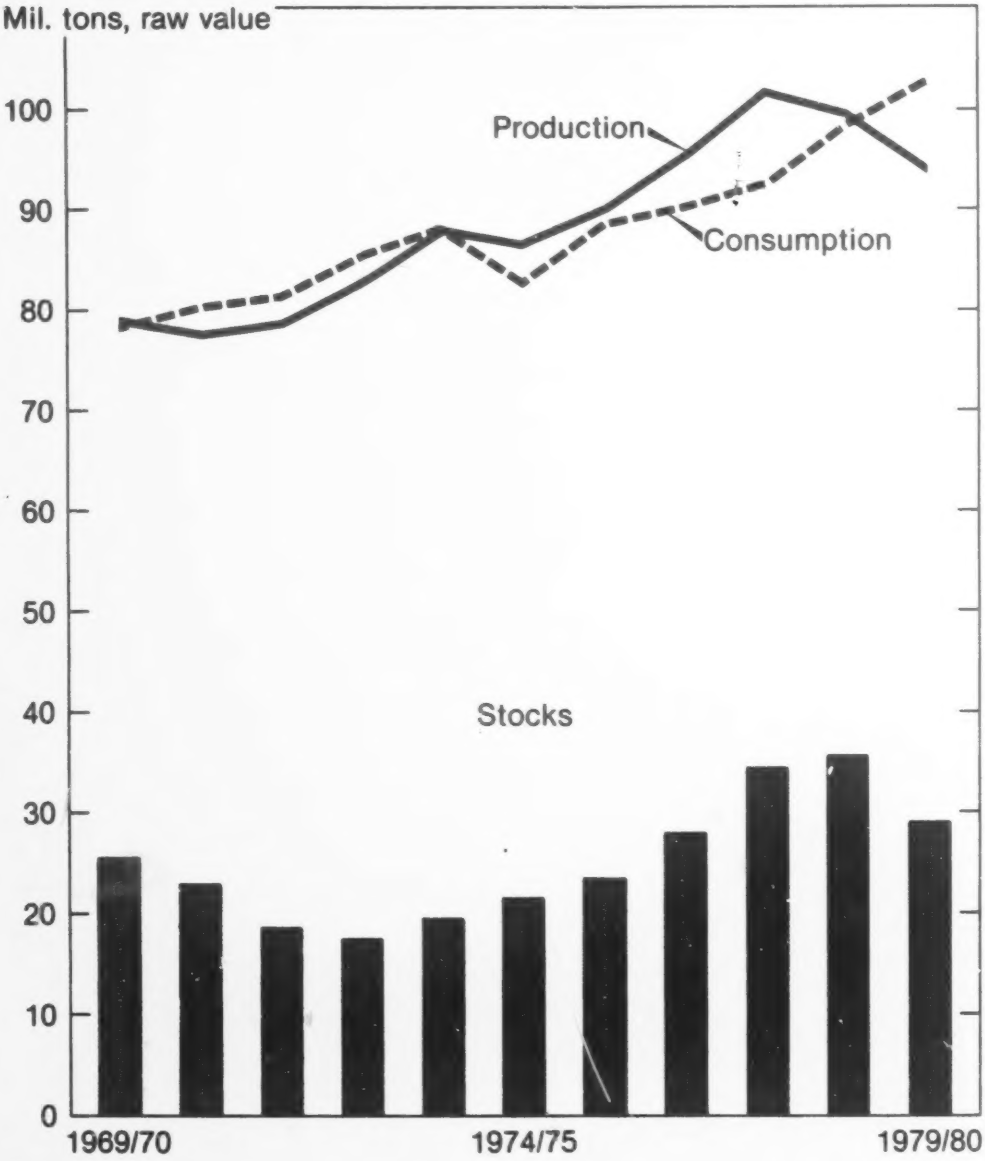
Year	Mill production		Average returns received[3]		Value of production		
	Raw sugar 96°	Molasses[2]	Raw sugar 96°	Molasses[2]	Raw sugar 96°	Molasses[2]	Total
	---1,000 tons---		----Dollars per ton----		-----Million dollars-----		
				STATE			
1976.....	1,050	275	234	41.80	245.5	11.5	257.0
1977.....	1,034	284	212	27.10	219.1	7.7	226.8
1978.....	1,029	310	262	50.60	269.5	15.7	285.2
1979.....	1,060	326	304	72.10	322.2	23.5	345.7
1980.....	1,023	315	554	87.90	566.4	27.7	594.1
				HAWAII			
1976.....	388	101	234	41.60	90.6	4.2	94.8
1977.....	374	97	211	26.80	78.9	2.6	81.5
1978.....	388	112	261	50.00	101.4	5.6	107.0
1979.....	388	119	304	71.40	117.9	8.5	126.4
1980.....	367	107	553	86.90	202.9	9.3	212.2
				KAUAI			
1976.....	216	57	234	42.10	50.6	2.4	53.0
1977.....	232	62	212	27.40	49.1	1.7	50.8
1978.....	223	67	262	50.70	58.5	3.4	61.9
1979.....	233	69	303	72.50	70.6	5.0	75.6
1980.....	223	65	553	87.70	123.4	5.7	129.1
				MAUI			
1976.....	263	71	233	42.30	61.4	3.0	64.4
1977.....	265	75	212	28.00	56.3	2.1	58.4
1978.....	245	76	262	51.30	64.2	3.9	68.1
1979.....	253	81	304	72.80	76.8	5.9	82.7
1980.....	266	90	554	88.90	147.4	8.0	155.4
				OAHU			
1976.....	183	46	234	41.30	42.9	1.9	44.8
1977.....	163	50	213	26.00	34.8	1.3	36.1
1978.....	173	55	262	50.90	45.4	2.8	48.2
1979.....	186	57	306	71.90	56.9	4.1	61.0
1980.....	167	53	555	88.70	92.7	4.7	97.4

1/ Primary data source, Hawaiian Sugar Planters' Association.

2/ Commercial.

3/ Derived from production and value. State and island prices may not compute exactly due to rounding.

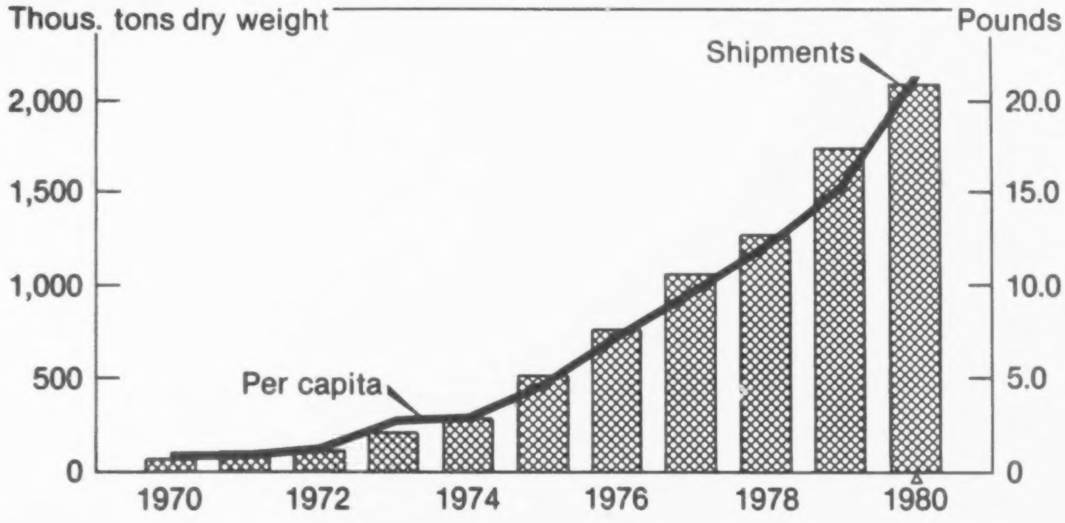
World Sugar
Production, Consumption and Stocks*



*Crop year September/August

USDA

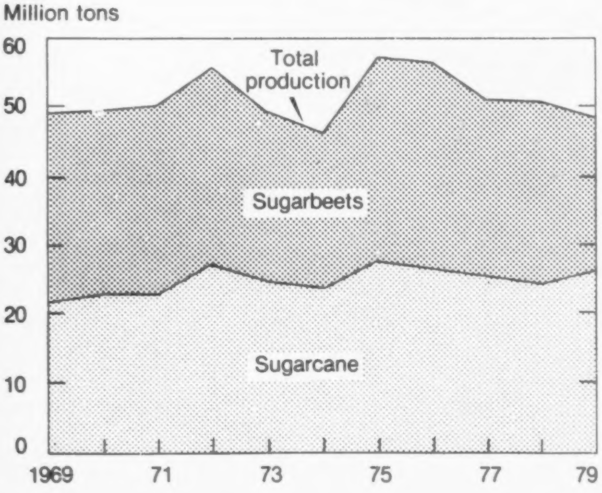
High Fructrose Corn Sirup: U.S. Shipments and Per Capita Consumption*



*1978 nonfood use 6.0 thous. tons. ΔPreliminary.

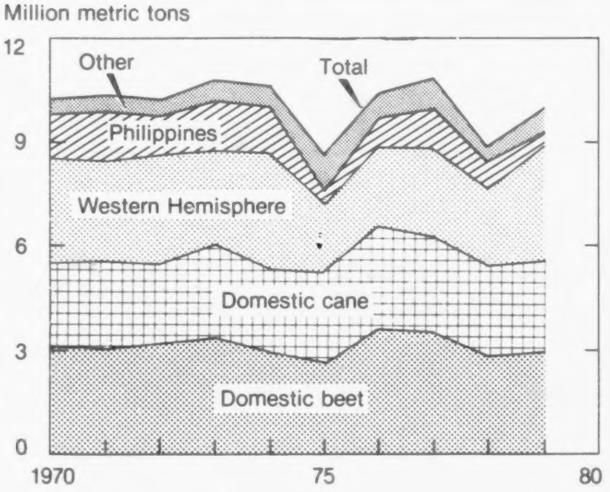
USDA

U.S. Sugarbeet and Sugarcane Production



Crop year beginning September 1. ESS, USDA.

Sources of Sugar Used in the United States



Raw sugar. ESS, USDA.

U.S. Sugarbeet and Sugarcane Production

	1976	1977	1978	1979
	Million tons			
Sugarcane	26.9	25.7	24.8	25.4
Sugarbeet	29.4	25.0	25.7	22.0
Total	56.3	50.7	50.5	47.4

Crop year beginning September 1.

FLOWERS AND NURSERY PRODUCTS: Number of farms, number of flowers sold, and wholesale value, State of Hawaii, 1976-80

Kind of flower	Number of farms					Number sold					Wholesale value				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
			Number					1,000 dozens					1,000 dollars		
Cut flowers:															
Anthuriums 1/	140	165	187	180	228	1,425	1,549	1,925	2,111	2,532	2,500	3,372	5,017	5,568	6,878
Birds of paradise	25	16	21	16	27	25	35	29	13	27	32	49	44	33	70
Carnations	4	5	10	14	15	30	28	42	40	54	43	42	80	74	102
Chrysanthemums, other	5	5	4	5	4	15	12	8	10	7	45	49	39	43	27
Gingers	19	20	24	27	35	NA	NA	NA	NA	NA	75	69	75	113	253
Roses	3	4	4	5	6	350	402	466	246	339	495	572	738	726	798
Others	26	28	36	36	49	NA	NA	NA	NA	NA	177	207	254	385	499
Proteas:								1,000 stems							
Pincushion	6	8	11	10	12	53	163	461	819	703	35	82	165	195	181
Other	6	8	9	7	13	10	29	59	186	211	7	14	56	86	113
								1,000 bunches							
Chrysanthemums, pompon	13	14	14	12	15	395	291	279	325	364	235	233	204	282	343
Cut orchids:								1,000 flowers							
Cattleyas	22	21	21	16	30	74	41	54	51	88	55	34	28	30	70
Cymbidiums	16	20	16	18	17	485	753	746	628	448	136	249	273	245	150
Others 2/	35	47	22	15	19	NA	NA	NA	NA	NA	47	92	99	45	16
								1,000 dozens							
Dendrobium sprays	29	3/23	24	26	41	30	27	31	44	70	128	110	136	192	336
Lei flowers:								Million flowers							
Carnations	16	17	21	21	25	31.9	34.6	38.8	36.8	36.6	748	900	1,043	1,140	1,169
Vanda Miss Joaquim	22	28	26	26	35	39.0	35.4	43.2	31.6	38.8	475	501	555	441	573
Plumerias	12	15	15	17	21	31.0	28.6	36.6	38.6	23.7	360	395	442	418	440
Tuberose	4	4	3	3	5	12.5	16.1	19.5	21.1	32.0	223	280	339	401	684
Dendrobiums	3/	3/	3/	9	21	3/	3/	3/	2.8	6.6	3/	3/	3/	73	175
								1,000 strands							
Pikake	8	8	6	5	16	110	100	65	69	147	107	97	92	81	169
Cut foliage:								Million leaves							
Ti leaves	28	31	31	35	62	12.3	13.0	15.0	11.5	14.5	212	230	247	285	332
Other greens	21	28	27	20	34	18.1	20.8	NA	NA	NA	136	182	140	149	242
Potted plants:								1,000 pots							
Anthuriums	4/	4/	4/	4/	24	4/	4/	4/	4/	129	4/	4/	4/	4/	230
Chrysanthemums	12	10	9	9	11	145	177	176	189	192	368	433	435	523	607
Dendrobium orchids	5/	5/	5/	5/	75	5/	5/	5/	5/	269	5/	5/	5/	5/	1,189
Other orchids 5/	56	75	62	76	67	223	256	259	460	245	597	800	908	1,508	1,038
Poinsettias	4/	4/	4/	24	30	4/	4/	4/	120	134	4/	4/	4/	323	410
Potted foliage 1/ 6/	38	46	71	99	95	NA	NA	NA	NA	NA	1,550	2,450	3,441	4,052	4,943
Other potted plants 7/	50	75	49	73	70	NA	NA	NA	NA	NA	627	515	576	914	1,340
Ornamentals and trees	85	97	63	73	65	NA	NA	NA	NA	NA	1,544	997	811	1,027	1,181
Unfinished flower and foliage stock	3/	3/	3/	54	36	NA	NA	NA	NA	NA	3/	3/	3/	919	1,536
Other nursery products 8/	20	25	58	14	71	NA	NA	NA	NA	NA	871	1,049	1,221	507	1,347
TOTAL	9/500	9/550	9/600	9/580	9/640						11,828	14,003	17,458	20,778	27,441

NA = Not available. 1/ Totals may not equal totals in U. S. release, "Floriculture Crops" because of definition. 2/ Includes vanda hybrids, phalaenopsis, and cypripediums. 3/ Included in other nursery products figures. 4/ Included in other potted plant figures. 5/ Prior to 1980, dendrobium figures included in all potted orchid category now called other orchids. 6/ Potted foliage plants grown and sold for indoor or patio use. 7/ Includes potted foliage grown and sold for outdoor or landscaping purposes and other potted flowering plants. 8/ Includes bedding plants, plant rentals, and any other flowers or nursery products not elsewhere classified. 9/ Unduplicated count. Number for each individual flower or item is count of those having sales of that item during each year.

FLOWERS AND NURSERY PRODUCTS: Number of flowers sold and wholesale value, by islands, 1976-80

Kind of flower	Number sold					Wholesale value				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Hawaii									
SELECTED CUT AND LEI FLOWERS:	1,000 dozens					1,000 dollars				
Anthuriums	1,338	1,460	1,839	2,050	2,444	2,327	3,197	4,801	5,371	6,596
Gingers	NA	NA	NA	NA	NA	25	20	27	25	45
	1,000 flowers									
Cattleyas	17	15	34	27	36	3	5	11	14	20
Cymbidiums	485	753	744	628	448	136	249	272	245	150
	Million flowers									
Vanda Miss Joaquim	35.9	32.6	41.0	29.2	36.5	448	470	525	398	534
CUT FOLIAGE:	Million leaves									
Ti leaves	7.4	6.5	10.7	6.8	5.8	139	135	160	135	175
Other greens	.7	10.0	NA	NA	NA	5	75	85	87	150
POTTED PLANTS:	1,000 pots									
Orchids	71	70	113	145	147	155	185	280	381	417
Foliage and other potted plants	NA	NA	NA	NA	NA	854	1,025	1,432	1,960	2,269
ORNAMENTALS AND TREES	NA	NA	NA	NA	NA	290	372	309	196	110
UNFINISHED STOCK AND CUTTINGS	NA	NA	NA	NA	NA	[1]	[1]	[1]	326	661
ALL OTHER FLOWERS AND NURSERY PRODUCTS [2]	NA	NA	NA	NA	NA	537	663	725	642	962
TOTAL						4,919	6,396	8,627	9,780	12,089
	Kauai									
CUT FLOWERS:	1,000 dozens					1,000 dollars				
Anthuriums	6	11	5	8	5	9	20	11	20	11
ALL OTHER FLOWERS AND NURSERY PRODUCTS [2]	NA	NA	NA	NA	NA	84	150	268	133	604
TOTAL						93	170	279	153	615
	Maui									
SELECTED CUT AND LEI FLOWERS:	1,000 dozens					1,000 dollars				
Carnations	9	16	41	28	53	10	18	77	50	102
	1,000 bunches									
Chrysanthemums, pompon	30	34	38	73	61	16	26	33	64	65
Proteas:	1,000 stems									
Pincushion	52	163	437	798	662	35	81	156	183	167
Other	10	29	59	185	210	7	14	55	81	112
	Million flowers									
Carnation, heads	31.5	33.0	36.9	34.0	35.7	741	868	1,003	1,137	1,142
ALL OTHER FLOWERS AND NURSERY PRODUCTS [2]	NA	NA	NA	NA	NA	536	689	1,143	1,384	2,754
TOTAL						1,345	1,696	2,467	2,899	4,342

See footnotes at end of table.

Continued

FLOWERS AND NURSERY PRODUCTS: Number of flowers sold and wholesale value, by islands, 1976-80 -- Continued

Kind of flower	Number sold					Wholesale value				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Oahu									
SELECTED CUT AND LEI FLOWERS:	-------1,000 dozens-------					--------1,000 dollars--------				
Anthuriums	80	75	79	61	82	163	150	203	176	269
Gingers	NA	NA	NA	NA	NA	50	48	47	87	206
	-------1,000 bunches------									
Chrysanthemums, pompon	365	256	240	252	304	219	205	169	218	278
	-------1,000 flowers------									
Cattleyas	58	24	18	23	50	51	28	16	16	49
	-------1,000 dozens-------									
Dendrobium sprays	25	26	22	28	54	114	95	101	132	274
	------Million flowers-----									
Plumerias	17.8	21.3	20.4	18.0	15.5	265	300	302	246	269
Tuberose	12.5	16.1	19.5	21.1	3/	223	280	339	401	3/
Vanda Miss Joaquim	2.8	2.2	1.6	1.7	1.6	24	25	24	34	28
Dendrobiums, lei blooms	1/	1/	1/	2.8	6.4	1/	1/	1/	72	169
	-------1,000 strands------									
Pikake	110	100	63	69	144	107	97	89	81	163
CUT FOLIAGE:	------Million leaves------									
Ti leaves	5.3	6.4	4.2	5.4	8.2	71	93	85	150	158
Other greens	15.8	9.6	NA	NA	NA	119	95	50	62	90
POTTED PLANTS:	---------1,000 pots---------									
Chrysanthemums	32	43	33	41	41	94	108	77	109	152
Orchids	86	165	116	272	310	307	560	523	975	1,296
Poinsettias	4/	4/	4/	84	90	4/	4/	4/	202	241
Potted foliage	NA	NA	NA	NA	NA	790	1,490	1,937	2,034	3,181
Other potted plants	NA	NA	NA	NA	NA	449	290	283	515	86
ORNAMENTALS AND TREES	NA	NA	NA	NA	NA	1,146	440	135	587	529
UNFINISHED STOCK AND CUTTINGS	NA	NA	NA	NA	NA	1/	1/	1/	576	740
ALL OTHER FLOWERS AND NURSERY PRODUCTS 2/	NA	NA	NA	NA	NA	1,279	1,437	1,705	1,273	2,217
TOTAL						5,471	5,741	6,085	7,946	10,395

NA = Not available.

1/ Included in "All Other" flower and nursery product category.

2/ Only selected items are shown seperately. All other cut and lei flowers, potted plants, nursery products, plant rental, etc. for the islands are included in this "All Other" category.

3/ Not estimated separately to avoid disclosure of individual operations.

4/ Included in other potted plants category.

FLOWERS AND NURSERY PRODUCTS: Number of farms and growing area used for flowers and nursery products, by islands, 1978-80

Year	Hawaii	Kauai	Maui	Oahu	State
	NUMBER OF FARMS--Unduplicated				
1978.........	300	25	95	180	600
1979.........	290	25	95	170	580
1980.........	**300**	**25**	**95**	220	**640**
	GREENHOUSE--1,000 square feet 1/				
1978.........	700	16	130	575	1,421
1979.........	750	70	200	605	1,625
1980.........	**870**	**32**	**200**	**651**	**1,753**
	ARTIFICIAL SHADE STRUCTURE--1,000 square feet				
1978.........	10,750	84	390	2,650	13,874
1979.........	13,450	165	450	2,885	16,950
1980.........	**15,352**	**69**	**652**	**3,494**	**19,567**
	NATURAL SHADE AREA--Acres				
1978.........	125	2	3	10	140
1979.........	110	1	2	3	116
1980.........	**119**	**4**	**0**	**7**	**130**
	OPEN FIELD--Acres				
1978.........	325	15	170	202	712
1979.........	330	20	190	230	770
1980.........	**316**	**16**	**254**	**272**	**858**
	TOTAL AREA--Acres				
1978........	713	19	185	286	1,203
1979.........	766	26	207	313	1,312
1980.........	807	22	274	374	1,477

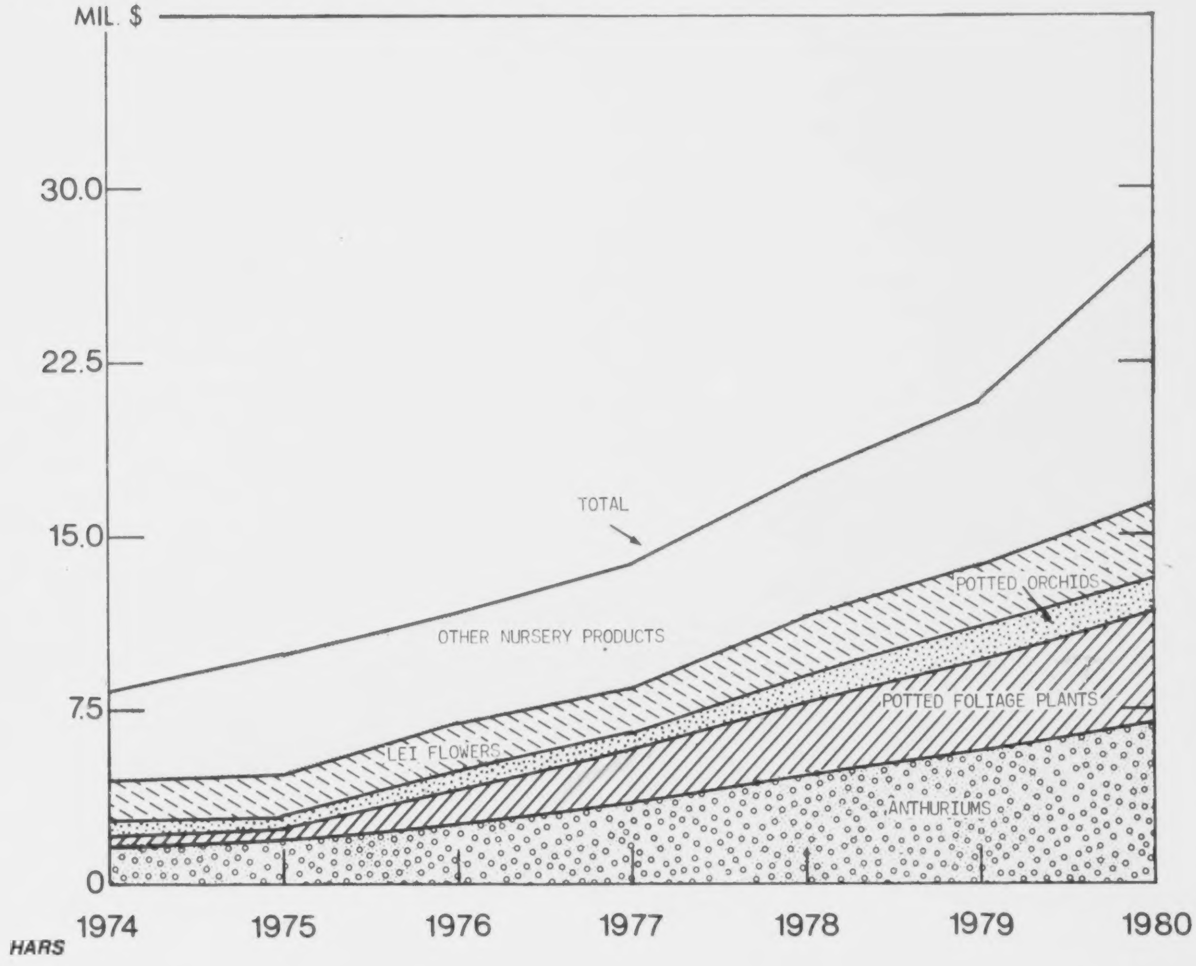
1/ Glass or glass substitute structure.

FLOWERS AND NURSERY PRODUCTS: Area used for production 1980, State

Area used for	Greenhouse-Glass or glass substitute	Artificial shade-Saran, lath, etc.	Natural shade-Hapu'u citrus, etc.	Open field
	------1,000 square feet------		----------Acres----------	
Anthuriums..............	4	13,101	114	0
Dendrobium orchids......	176	992	1	0
All other orchids 1/.....	309	242	2	32
Potted foliage..........	423	2,591	5	16
Poinsettias.............	111	61	0	1
Proteas.................	0	0	0	90
All other flowers and nursery products.......	730	2,580	8	719
TOTAL..............	1,753	19,567	130	858

1/ Includes vandas.

VALUE OF FLOWERS AND NURSERY PRODUCTS, STATE OF HAWAII, 1974-80



Area used for anthurium production, by islands, 1978-80

Year	Hawaii	Kauai	Maui	Oahu	State
	1,000 square feet				
	ARTIFICIAL SHADE STRUCTURE				
1978	9,050	39	5	450	9,544
1979	11,150	55	5	460	11,670
1980	12,646	30	3	426	13,105
	NATURAL SHADE AREA				
1978	4,661	--	--	44	4,705
1979	4,574	--	--	44	4,618
1980	4,879	44	--	44	4,967
	TOTAL ARTIFICIAL AND NATURAL SHADE				
1978	13,711	39	5	494	14,249
1979	15,724	55	5	504	16,288
1980	17,525	74	3	470	18,072

ANTHURIUMS: Mainland and foreign shipments from the Island of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 dozens												
Mainland:													
1976	28.9	35.0	29.7	30.7	32.4	27.4	28.0	30.5	28.3	29.1	29.6	43.9	373.5
1977	26.6	29.2	28.2	32.5	32.0	29.0	32.3	32.9	35.8	33.4	32.8	44.1	388.8
1978	31.7	31.8	30.4	33.0	40.0	31.1	33.5	36.9	35.6	37.7	35.0	53.7	430.4
1979	34.5	39.7	31.7	27.2	33.1	32.7	33.2	30.4	31.5	36.0	34.3	49.4	413.7
1980	28.2	35.6	34.2	39.6	41.7	41.9	38.3	40.5	43.2	46.9	40.0	53.3	483.4
Foreign:													
1976	37.6	33.1	40.3	51.6	41.7	43.2	46.4	46.0	56.1	75.4	60.5	63.2	595.1
1977	40.0	37.1	47.5	63.9	60.5	70.9	75.6	78.7	97.4	88.0	82.6	77.6	819.8
1978	54.5	56.0	75.7	73.4	92.0	96.1	88.3	98.2	106.5	115.3	113.0	96.5	1,065.5
1979	67.4	65.8	92.3	106.0	120.5	99.8	106.9	132.8	109.7	145.2	138.4	114.2	1,299.0
1980	95.4	80.2	102.4	112.3	122.8	92.9	127.5	122.1	133.6	185.7	122.0	134.0	1,430.9
Total shipments:													
1976	66.5	68.1	70.0	82.3	74.1	70.6	74.4	76.5	84.4	104.5	90.1	107.1	968.6
1977	66.6	66.3	75.7	96.4	92.5	99.9	107.9	111.6	133.2	121.4	115.4	121.7	1,208.6
1978	86.2	87.8	106.1	106.4	132.0	127.2	121.8	135.1	142.1	153.0	148.0	150.2	1,495.9
1979	101.9	105.5	124.0	133.2	153.6	132.5	140.1	163.2	141.2	181.2	172.7	163.6	1,712.7
1980	123.6	115.8	136.6	151.9	164.5	134.8	165.8	162.6	176.8	232.6	162.0	187.3	1,914.3

MAINLAND ANTHURIUM SHIPMENTS: Percent of flowers sold, by size, 1976-80

Year	Miniature	Small	Medium	Large	Extra-large
1976...........	24	25	30	20	1
1977...........	21	28	29	21	1
1978...........	19	28	31	21	1
1979...........	19	25	31	23	2
1980...........	22	26	30	21	1

ANTHURIUMS: Foreign shipments, by destination, 1976-80

Destination	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
							1,000 dozens						
Australia:													
1976..................	1.1	1.8	1.7	4.3	2.6	3.2	5.0	3.5	3.0	3.6	2.7	3.3	35.8
1977..................	1.6	2.9	2.8	5.9	3.8	5.2	5.6	4.2	3.8	2.7	3.0	3.7	45.2
1978..................	1.4	2.7	3.5	3.3	5.5	4.4	4.4	4.8	4.6	2.9	3.6	4.4	45.5
1979..................	1.2	2.5	4.4	4.7	6.3	4.6	4.4	5.1	3.6	3.5	4.1	3.9	48.3
1980..................	2.3	2.2	2.3	3.9	6.2	3.9	5.1	4.2	4.0	4.5	2.9	6.3	47.8
Italy:													
1976..................	18.1	15.2	17.6	16.1	11.9	14.0	16.1	15.5	19.4	31.3	24.3	26.2	225.7
1977..................	16.6	16.9	23.2	27.1	23.2	27.0	28.8	21.4	34.3	33.8	29.4	31.9	313.5
1978..................	23.4	22.9	31.9	28.2	31.4	33.7	31.1	30.5	39.2	53.8	41.6	33.9	401.6
1979..................	27.1	23.6	33.9	33.2	34.9	37.0	36.3	44.4	39.9	64.4	53.6	46.4	474.7
1980..................	42.9	36.8	48.9	48.6	50.7	32.3	53.8	38.5	54.4	99.6	49.3	52.2	608.0
Japan:													
1976..................	2.7	4.3	6.7	7.5	7.8	9.1	8.5	9.1	10.3	9.2	12.0	9.7	96.9
1977..................	2.5	3.6	4.7	7.1	9.4	9.7	7.4	11.4	9.7	12.5	13.1	11.4	102.6
1978..................	3.7	4.8	8.8	9.7	12.4	14.0	15.2	16.6	16.3	16.2	16.7	15.5	149.9
1979..................	9.5	8.4	10.2	17.3	25.3	9.1	29.5	31.6	23.8	29.6	29.0	25.7	249.0
1980..................	14.2	8.9	16.1	15.5	12.7	20.4	37.9	49.5	42.4	41.1	34.3	36.3	329.3
Switzerland:1/													
1978..................	.2	1.4	3.2	2.9	3.1	2.1	.1	3.2	3.9	4.4	6.4	5.6	36.5
1979..................	6.1	6.9	11.3	9.6	8.6	4.2	.6	3.6	5.2	6.3	10.0	8.7	81.1
1980..................	11.0	11.3	9.5	12.8	10.4	8.7	6.7	8.5	8.9	13.5	11.2	14.9	127.4
West Germany:													
1976..................	15.5	11.7	14.2	23.5	17.3	15.3	16.6	17.8	20.4	28.5	21.1	23.8	225.7
1977..................	18.8	13.2	16.3	23.0	22.9	27.8	30.9	40.3	48.1	37.6	35.4	30.1	344.5
1978..................	24.1	21.8	26.8	27.6	37.9	40.5	37.4	42.1	42.1	37.7	43.5	36.5	418.0
1979..................	22.3	22.1	30.2	38.4	43.4	44.6	35.6	47.7	37.0	40.9	41.3	29.1	432.6
1980..................	24.5	20.5	25.3	29.3	41.0	26.0	23.0	21.0	23.4	24.7	21.4	19.8	299.9
All other:													
1976..................	.2	.1	.1	.2	2.1	1.6	.2	.1	3.0	2.8	.4	.2	11.0
1977..................	.5	.5	.5	.8	1.2	1.2	2.9	1.4	1.5	1.4	1.7	.5	14.0
1978..................	1.7	2.4	1.5	1.7	1.7	1.4	.1	1.0	.4	.3	1.3	.5	14.0
1979..................	1.2	2.3	2.3	2.8	2.0	.3	.5	.4	.2	.5	.4	.4	13.3
1980..................	.5	.5	.3	2.2	1.8	1.6	1.0	.4	.5	2.3	2.9	4.5	18.5

1/ Prior to 1978, included with "All other".

DENDROBIUM ORCHIDS: Sales and value, 1976-80

Year	Lei flowers		Cut sprays		Potted plants				Total value
					In bud/bloom		Community pots		
	Number sold	Value	Number sold	Value	Number sold	Value	Number sold	Value	
	Million blooms	1,000 dollars	1,000 dozens	1,000 dollars	1,000 pots	1,000 dollars	1,000 pots	1,000 dollars	1,000 dollars
					STATE 1/				
1976..			30	128					2/
1977..			27	110					2/
1978..			31	136					2/
1979..	2.8	73	44	192					2/
1980..	6.6	175	70	336	227	1,003	42	186	1,700
					OAHU				
1976..									2/
1977..									2/
1978..									2/
1979..	2.8	73	28	132					2/
1980..	6.4	169	54	274	72	259	42	182	884

1/ Hawaii, Kauai and Maui combined with State total to avoid disclosure of individual operations.

2/ Prior to 1979 lei flower use was included in "Other Lei Flower" figures and prior to 1980 potted dendrobiums were included in the "Total Potted Orchid" figures.

DENDROBIUM ORCHIDS: Area in production, 1980

Type of shade	1980 area used for			Intentions for 1981			
				Total area expected to be devoted to			
	Cut or lei flowers	Potted plants	Total area	Cut or lei flowers	Potted plants	Total area	Percent of 1980
				1,000 square feet			
				STATE 1/			
Glass or glass substitute.........	90	86	176	NA	NA		
Saran...............	549	443	992	NA	NA		
Natural shade and open field.........	23	13	36	NA	NA		
Total area..........	662	542	1,204	907	521	1,428	119
				OAHU			
Glass or glass substitute.........	74	30	104	NA	NA		
Saran...............	485	298	783	NA	NA		
Natural shade and open field.........	19	12	31	NA	NA		
Total area..........	578	340	918	794	372	1,166	127

1/ Hawaii, Kauai and Maui combined in State total to avoid disclosure of individual operations.

DENDROBIUM ORCHIDS: Number of growers, 1980[1]

Year	Hawaii	Kauai	Maui	Oahu	State
1980..............	13	6	8	72	99

1/ Growers having dendrobium sales during 1980 that had total sales of all flowers and nursery products of $1,000 or more during the year.

DENDROBIUM ORCHIDS: Percent of cut sprays sold by quarter, 1980

January - March	April - June	July - September	October - December
		Percent	
14	23	34	29

POINSETTIAS, 1979-80

Year	Growers	Pots set	Pots sold by size					Value
			4 inches	6 inches	6½ inches	All other sizes[1]	Total	
	Number							Dollars
				STATE				
1979..	24	133,000	23,000	66,000	2/31,000	--	120,000	323,000
1980..	30	145,000	25,000	48,000	47,000	14,000	134,000	410,000
				OAHU				
1979..	15	96,000	3/	3/	3/	3/	84,000	202,000
1980..	17	100,000	3/	3/	3/	3/	90,000	241,000

-- = Not applicable.

1/ Includes hanging baskets.

2/ Includes all pots over 6 inches for 1979.

3/ Not shown separately to avoid disclosure of individual operations.

POINSETTIAS: Percent of flowers by type of growing area, 1979-80

Year	Saran	Glass or glass substitute	Open field
1979................	16	43	41
1980................	7	49	44

POINSETTIAS: Percent of flowers grown by varieties, 1979-80

Year	C-1	V-10	V-14	Others
1979..............	41	23	11	25
1980..............	26	24	32	18

PROTEA: Species, area, age group, sales, 1980, and 1981 intentions, by islands

Name	Farms	Area	Number of plants by age[1]				1980 sales		Intentions 1981	
			1 year or less	1-2 years	2-4 years	4 years +	Blooms	Value	Expected sales	Intended plantings
	Number	Acres	----------Number of plants-----------				1,000 blooms	1,000 dollars	1,000 blooms	Number of plants
					STATE 2/					
Leucospermum										
Pincushion.........	17		740	3,950	8,720	12,120	703	181	798	3,000
Other..............	9		380	620	1,310	250	46	13	73	3,000
Protea										
King...............	16		600	4,570	2,600	2,450	19	20	14	2,000
Mink...............	16		2,670	4,160	3,740	2,000	41	22	68	700
Duchess............	9		700	250	140	2,110	50	27	50	300
Other..............	10		1,160	1,610	2,790	490	14	10	15	800
Banksia, all.......	9		6,250	3,610	1,710	610	9	10	13	0
Leucadendron										
Discolor...........	9		50	390	300	580	35	8	21	0
Other..............	5		270	1,270	1,160	180	4	1	8	0
All other (Not shown above)..	7		120	820	530	440	2	2	2	1,600
Total.........	3/30	90	12,940	21,250	23,000	21,230	914	294	1,062	11,400
					MAUI					
Leucospermum										
Pincushion.........	10		740	1,250	4,550	10,650	662	167	750	3,000
Other..............	8		380	530	1,310	250	46	13	73	3,000
Protea										
King...............	13		600	3,570	1,930	2,400	9	19	14	2,000
Mink...............	12		2,670	3,360	3,590	1,950	41	22	66	700
Duchess............	8		700	250	140	2,060	50	27	50	300
Other..............	9		1,160	1,610	2,660	490	14	10	15	800
Banksia, all.......	10		4,650	3,610	1,710	610	9	10	13	0
Leucadendron										
Discolor...........	9		50	150	300	580	35	8	21	0
Other..............	5		270	1,270	1,160	180	4	1	8	0
All other (Not shown above)..	6		120	310	530	440	2	2	2	0
Total.........	3/22	75	11,340	15,910	17,880	19,610	872	279	1,012	9,800

1/ From date of field transplant. 2/ Hawaii Island included in State total. 3/ Unduplicated farm count.

Out-of-State sales of flowers and nursery products, State of Hawaii, 1976-80

Kind of flower	1976	1977	1978	1979	1980
			1,000 dollars 1/		
CUT FLOWERS:					
Anthuriums	2,730	3,300	5,010	5,696	**6,592**
Birds of paradise	95	50	95	64	**95**
Gingers	75	40	75	85	**117**
Proteas	NA	NA	150	207	**235**
Others	275	257	147	202	**111**
ORCHIDS:					
Cattleyas	45	25	25	20	**24**
Cymbidiums	220	200	375	170	**71**
Dendrobiums	80	60	125	115	**124**
Vandas 2/	400	320	265	104	**75**
Others	20	10	8	14	**21**
Potted orchid plants	490	525	600	1,020	**1,282**
FOLIAGE:					
Ti leaves	175	150	165	198	**206**
Other cut greens	75	40	90	146	**313**
Potted foliage plants	800	1,375	2,150	2,675	**3,311**
ORNAMENTALS AND TREES	800	350	250	185	**80**
UNFINISHED AND OTHER POTTED PLANTS	170	450	860	1,010	**1,425**
TOTAL	6,450	7,152	10,390	11,911	**14,082**

NA = Not available.

1/ Based on F.O.B. island value. Includes both wholesale and retail sales. Does not include sales of cut flowers, leis, etc. purchased within the State and hand carried out.

2/ Hybrid and Miss Joaquim.

DENDROBIUM ORCHIDS: Out-of-State sales, 1980

Cut sprays		Potted plants		Total value
Number	Value	Number	Value	
Dozens	Dollars	Number	-------Dollars-------	
18,560	123,800	79,980	380,390	504,190

COFFEE: Number of farms, acreage, yield, marketings, price, and value, State of Hawaii, 1976-80[1]

Year[2]	Farms	Total acreage in crop	Acreage harvested	Yield per harvest acre	Marketings (parchment)	Price per pound (parchment)	Value of sales
	Number	--1,000 acres--		---1,000 pounds---		Cents	1,000 dollars
1976-77..	780	2.4	2.0	1.1	2,120	185.0	3,922
1977-78..	780	2.4	2.0	1.1	2,270	138.0	3,133
1978-79..	750	2.3	1.9	0.9	1,680	126.0	2,117
1979-80..	700	2.1	1.8	1.2	2,190	143.0	3,132
1980-81..	650	1.9	1.7	0.9	1,450	150.0	2,175

[1] State production all on island of Hawaii.

[2] Harvesting normally begins in September and extends to the early part of the following year.

TARO: Number of farms, acreage, marketings, price, and value, by islands, 1976-80

Year	Farms	Acreage in crop[1]	Marketings	Farm price	Value of sales
	Number	Acres	1,000 pounds	Cents per pound	1,000 dollars
			STATE		
1976........	124	460	7,350	12.1	889
1977........	129	470	7,870	12.7	999
1978........	132	450	7,680	13.4	1,029
1979........	121	405	6,640	16.4	1,089
1980........	122	320	6,400	20.0	1,280
			HAWAII		
1976........	43	150	1,845	14.3	264
1977........	48	145	1,665	14.7	245
1978........	47	110	1,550	17.0	264
1979........	41	70	1,220	19.6	239
1980........	41	30	700	23.1	162
			KAUAI		
1976........	48	190	4,420	11.1	491
1977........	48	200	4,820	12.2	588
1978........	52	210	4,920	12.5	615
1979........	49	205	4,330	14.8	641
1980........	50	210	4,550	19.0	865
			MAUI/MOLOKAI/OAHU [2]		
1976........	33	120	1,085	12.3	134
1977........	33	125	1,385	12.0	166
1978........	33	130	1,210	12.4	150
1979........	31	130	1,090	19.1	209
1980........	31	80	1,150	22.0	253

[1] Survey conducted in November each year.

[2] Maui/Molokai and Oahu combined to avoid disclosure of individual operations.

MACADAMIA NUTS: Number of farms, acreage, yield, marketings, price, and value, by islands, 1976-80

Crop year[1]	Farms	Acreage[2]		Yield per acre (bearing)	Marketings (in shell)[3]	Average moisture		Farm price	Value of sales
		In crop	Bearing			Entire crop	Purchases		
	Number	-----Acres-----		---1,000 pounds---		---Percent---		Cents per pound	1,000 dollars
					STATE[4]				
1976.	455	10,250	6,300	3.0	18,990	NA	NA	36.9	7,007
1977.	456	9,895	6,300	3.1	19,680	NA	NA	40.8	8,029
1978.	464	10,200	9,200	2.3	20,980	NA	NA	53.8	11,287
1979.	465	11,400	9,600	2.8	26,600	21.1	18.7	62.9	16,769
1980.	465	13,400	10,400	3.2	33,390	20.0	20.7	72.4	24,174
					HAWAII				
1976.	450	10,200	6,270	3.0	18,940	NA	NA	36.9	6,989
1977.	451	9,840	6,305	3.1	19,590	NA	NA	40.8	7,992
1978.	459	10,120	9,180	2.3	20,890	NA	NA	53.8	11,239
1979.	460	11,115	9,600	2.8	26,570	NA	NA	62.9	16,712
1980.	460	12,210	10,370	3.2	33,270	NA	NA	72.4	24,071
					KAUAI/MAUI/OAHU[5]				
1976.	5	50	50	1.0	50	NA	NA	36.9	18
1977.	5	55	43	2.1	90	NA	NA	40.8	37
1978.	5	50	40	1.8	90	NA	NA	53.8	48
1979.	5	250	48	1.9	90	NA	NA	62.9	57
1980.	5	1,190	50	2.4	120	NA	NA	86.0	103

NA = Not available.

[1] Year ends June 30 of following year.

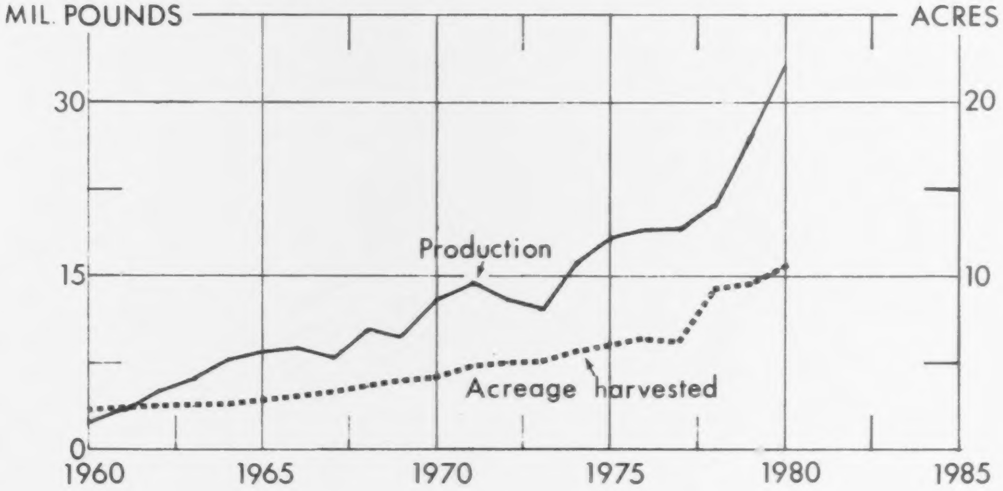
[2] At end of year.

[3] Includes home use.

[4] Sum of island estimates may not add to State total due to rounding.

[5] Kauai and Maui combined with Oahu to avoid disclosure of individual operations.

MACADAMIA NUTS: Acreage and Production, State of Hawaii, 1960-80



HARS

PINEAPPLES: Number of farms, acreage, production, disposition, price, and value, State of Hawaii, 1974-80

Year	Farms	Acreage used for crop	Production (fresh weight)	Disposition		Farm price		Value of production (fresh weight)
				Processed (fresh weight)	Fresh market	Processed[1]	Fresh market[2]	
	Number	1,000 acres	1,000 tons	1,000 tons	1,000 tons	Dollars per ton	Dollars per ton	Thousand dollars
1974...	20	55.0	700	641	59	49	150	40,259
1975...	20	50.0	720	657	63	48	160	41,616
1976...	17	48.0	680	611	69	63	210	52,983
1977...	17	45.0	690	607	83	67	260	62,249
1978...	18	43.0	675	580	95	58	310	63,090
1979...	18	44.0	681	587	94	67	320	69,409
1980...	18	43.0	657	556	101	76	340	76,596

1/ Estimate to reflect value of fresh fruit delivered processing plant door.
2/ Estimate to reflect value at wholesale establishments for local sales and shipper dock for Mainland and foreign sales.

PINEAPPLES: Processor production, fresh sales, and value, State of Hawaii, 1974-80

Year	Processor production[1]				Fresh market sales		
	Canned fruit (24/2½-45 lb. cases)	Canned juice (24/2½-42.5 lb. cases)	Frozen concentrate (24/2½-42.5 lb. cases)	Value[2] Canned fruit and juices	Quantity Local	Quantity Shipped out-of State[3]	Value[4]
	1,000 cases	1,000 cases	1,000 cases	Million dollars	1,000 tons	1,000 tons	Thousand dollars
1974....	8,110	4,400	400	118.2	16.0	43.4	8,850
1975....	8,200	4,800	520	126.6	15.3	47.4	10,080
1976....	8,270	5,600	320	130.0	18.2	50.3	14,490
1977....	8,490	5,750	270	140.0	23.1	59.6	21,580
1978....	7,620	5,760	265	133.4	23.0	71.8	29,450
1979....	7,470	6,010	280	176.3	24.5	69.9	30,080
1980....	6,940	6,410	215	189.1	27.3	73.7	34,340

1/ Pineapple Growers Association of Hawaii (year beginning June 1 prior to 1979).
2/ Value of canned fruit and juices and byproducts shipped out-of-State and sold within State.
3/ Market News Service, Hawaii Department of Agriculture. Includes all destinations.
4/ Value FAS shipping point for outshipments, delivered wholesalers local sales.

PINEAPPLES: Outshipments of fresh pineapples, State of Hawaii, 1974-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
	1,000 pounds												
1974......	5,165	5,047	13,667	5,762	10,798	8,848	9,180	5,609	6,810	4,078	4,623	6,754	86,581
1975......	10,180	8,498	7,999	10,047	8,762	8,208	12,251	9,593	2,156	4,804	5,023	6,840	94,375
1976......	5,081	5,825	8,378	9,966	15,341	16,643	16,853	9,004	2,576	29	2,562	8,090	100,494
1977......	8,204	5,037	10,837	13,662	16,054	15,073	18,794	7,723	1,327	4,172	6,221	10,976	119,198
1978......	10,709	10,438	12,639	14,201	16,606	17,726	15,742	14,646	3,458	7,923	10,804	8,583	143,475
1979......	9,489	12,772	15,104	13,164	16,801	13,818	12,718	11,475	5,285	8,968	11,109	7,971	138,674
1980......	9,179	11,748	13,671	14,660	15,386	13,595	13,867	10,655	10,075	12,796	12,338	9,493	147,463

1/ Foreign exports included in total. Breakdown unavailable from shippers.

Source: Market News Service, Hawaii Department of Agriculture.

Note: Data for period 1974-79 includes revisions for some years.

BANANAS: Number of farms, acreage, yield, production, price, and value, by islands, 1976-80

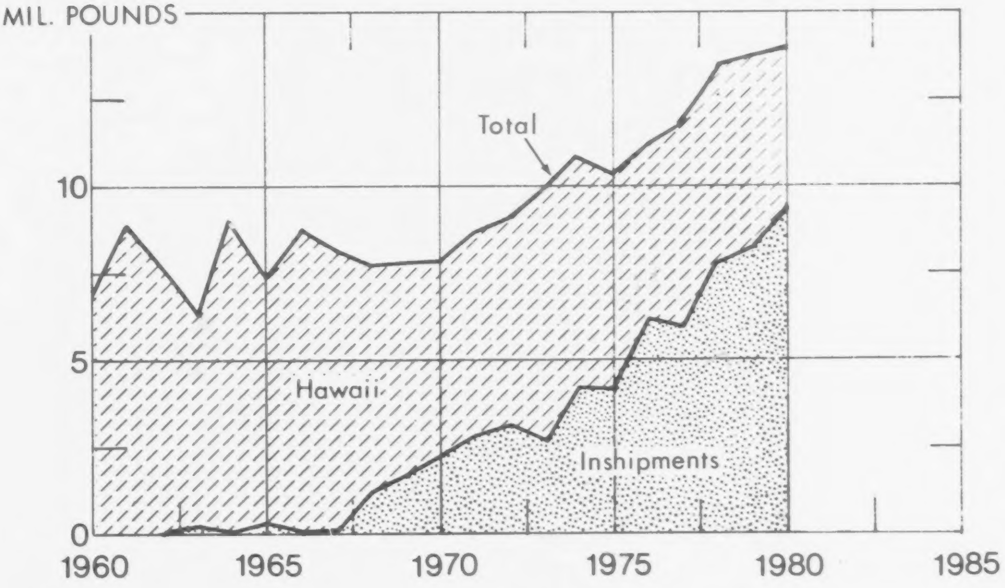
Year	Farms	Acreage		Yield per acre (harvested)	Production	Farm price	Value of sales
		In crop	Harvested				
	Number	------Acres------		----1,000 pounds----		Cents per pound	1,000 dollars
				STATE [1]			
1976..	152	615	560	9.0	5,030	15.5	780
1977..	153	610	550	10.5	5,800	15.6	905
1978..	147	640	580	9.8	5,700	18.5	1,055
1979..	148	690	630	8.8	5,550	20.5	1,138
1980..	159	730	580	7.9	4,600	23.9	1,099
				HAWAII			
1976..	20	120	110	9.8	1,075	12.7	137
1977..	23	125	105	6.9	725	12.5	91
1978..	19	140	110	10.1	1,110	16.1	179
1979...	19	140	120	11.5	1,400	17.8	249
1980..	25	160	105	14.9	1,560	18.9	295
				KAUAI			
1976..	22	75	55	8.8	485	13.5	65
1977..	22	75	45	10.8	485	12.9	63
1978..	21	60	45	10.4	470	15.0	70
1979..	23	60	45	12.1	600	17.2	103
1980..	24	70	45	17.1	770	21.6	166
				MAUI/MOLOKAI			
1976..	12	20	20	4.0	80	14.8	12
1977..	13	20	20	6.5	130	16.7	22
1978..	12	20	20	6.0	120	18.4	22
1979..	13	30	20	4.0	120	21.2	25
1980..	12	30	25	7.6	190	24.7	47
				OAHU			
1976..	98	400	375	9.0	3,390	16.7	566
1977..	95	390	380	11.7	4,445	16.4	729
1978..	95	420	405	9.9	4,000	19.6	784
1979..	93	460	445	6.1	3,430	22.2	761
1980..	98	470	405	5.1	2,080	28.4	591

[1] Island totals may not add to State totals due to rounding.

BANANAS: Monthly production, total acreage in crop, and total acreage harvested, by varieties, and price, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average	Acreage	
														In crop	Harvested
PRODUCTION															
	1,000 pounds													Acres	
BRAZILIAN (APPLE)															
1976..	96	94	74	56	62	62	54	115	157	190	176	137	1,273	240	230
1977..	152	145	162	148	168	175	173	228	226	230	183	186	2,176	225	220
1978..	224	150	154	122	128	135	146	174	168	211	184	184	1,980	255	240
1979..	203	153	156	151	133	131	136	154	172	162	159	140	1,850	305	290
1980..	139	86	119	103	63	61	81	102	122	125	127	142	1,270	300	280
BLUEFIELDS (GROS MICHEL)															
1976..	86	78	68	57	44	55	43	63	67	62	71	53	747	110	103
1977..	52	44	43	34	32	30	32	33	37	37	45	40	459	95	95
1978..	36	37	32	31	26	25	24	27	38	42	56	46	420	90	85
1979..	32	28	20	23	26	23	32	38	50	65	55	48	440	75	65
1980..	52	35	28	21	17	18	34	41	40	58	47	49	440	80	55
CAVENDISH (CHINESE, VALERY, AND WILLIAMS HYBRID)															
1976..	224	206	231	219	216	224	249	321	288	264	285	283	3,010	261	175
1977..	299	222	248	196	245	289	268	265	287	262	282	286	3,149	290	230
1978..	304	209	221	205	235	292	326	312	272	292	309	323	3,300	295	255
1979..	322	247	240	210	236	255	302	318	287	301	270	272	3,260	310	275
1980..	271	203	169	163	134	155	252	258	255	315	307	408	2,890	345	240
FARM PRICE FOR FRESH MARKET															
Cents per pound															
1976..	14.4	14.9	15.7	16.4	16.7	16.7	16.4	15.9	15.4	15.2	14.8	14.5	15.5		
1977..	15.0	15.2	15.6	16.4	16.3	15.3	15.4	15.6	15.7	16.0	15.4	15.7	15.6		
1978..	17.1	18.2	18.9	18.7	20.1	19.9	18.7	18.1	18.3	18.4	18.2	18.5	18.5		
1979..	19.5	19.9	20.1	20.1	20.2	20.4	20.0	20.1	21.6	21.2	21.7	21.5	20.5		
1980..	22.3	24.1	25.9	24.9	24.4	24.5	24.0	24.4	23.8	23.4	23.8	22.9	23.9		

MARKET SUPPLY: Fresh Market Bananas, State of Hawaii, 1960-80



PAPAYAS: Number of farms, acreage, yield, utilization, price, and value, by islands, 1976-80

Year	Farms[1]	Acreage harvested[1]	Yield per acre	Utilized production	Utilization		Price per pound			Value of utilized production
					Fresh	Processed	Fresh	Processed	All	
	Number	Acres	1,000 pounds				Cents			1,000 dollars
					STATE					
1976	178	1,930	25.9	50,037	43,588	6,449	13.5	3.8	12.3	6,134
1977	186	2,155	29.5	63,548	53,987	9,561	13.2	2/4.7	11.9	7,565
1978	183	2,190	29.2	64,000	54,624	9,376	14.4	2/4.6	13.0	8,304
1979	194	2,210	18.6	41,015	36,446	4,569	25.6	2/4.0	23.2	9,510
1980	197	1,950	24.9	48,916	45,360	3,556	21.7	2/3.4	20.4	3/9,979
					HAWAII					
1976	116	1,670	23.7	39,548	37,652	1,896	12.9	3.5	12.5	4,923
1977	113	1,745	24.1	42,000	40,479	1,521	12.7	2/	12.3	5,186
1978	108	1,740	25.2	43,860	41,656	2,204	13.6	2/	13.1	5,738
1979	112	1,820	16.8	30,565	27,129	3,436	24.2	2/	21.9	6,680
1980	108	1,665	24.5	41,255	37,947	3,308	21.1	2/	19.7	8,127
					KAUAI					
1976	32	100	26.2	2,624	2,621	3	17.6	4/4.9	17.6	461
1977	32	155	40.0	6,196	6,195	1	5/13.2	2/	5/9.9	5/2,000
1978	28	135	39.0	5,263	5,117	146	5/15.4	2/	5/11.4	5/2,094
1979	32	160	35.4	5,672	5,413	259	5/27.8	2/	5/25.4	5/2,422
1980	37	200	30.5	6,096	5,967	129	5/20.8	2/	5/20.5	5/1,286
					MAUI/MOLOKAI					
1976	6	110	58.5	6,432	1,885	4,547	11.7	3.9	6.2	398
1977	5	210	66.4	13,939	5,919	8,020	5/	2/	5/	5/
1978	5	260	50.6	13,167	6,152	7,015	5/	2/	5/	5/
1979	7	165	23.4	3.866	3,035	831	5/	2/	5/	5/
1980	4	10	17.6	176	176	0	5/	2/	5/	5/
					OAHU					
1976	24	50	28.7	1,433	1,430	3	24.6	4/	24.6	352
1977	36	45	31.4	1,413	1,394	19	27.1	2/	26.8	379
1978	42	55	31.1	1,710	1,699	11	27.8	2/	27.6	472
1979	43	65	14.0	912	869	43	46.7	2/	44.7	408
1980	48	75	18.5	1,389	1,270	119	44.7	2/	41.1	571

1/ Average of monthly estimates.

2/ Island data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

3/ Sum of island estimates may not add to State total due to rounding.

4/ Kauai and Oahu processed combined to avoid disclosure of individual operations.

5/ Kauai and Maui combined to avoid disclosure of individual operations.

PAPAYAS: Acreage, production, price, and outshipments, by months, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
Acreage harvested--Acres 1/													
1976....	1,950	1,800	1,890	1,915	1,870	1,825	1,805	1,955	2,020	2,050	2,040	1,995	1,930
1977....	2,000	1,965	2,060	2,040	2,045	2,150	2,155	2,150	2,265	2,260	2,360	2,395	2,155
1978....	2,280	2,270	2,210	2,220	2,175	2,155	2,180	2,185	2,145	2,205	2,135	2,145	2,190
1979....	2,265	2,335	2,360	2,340	2,305	2,370	2,390	2,265	2,245	1,910	1,885	1,885	2,210
1980....	1,785	1,915	1,935	2,005	2,040	2,050	1,905	1,930	1,930	1,945	1,985	2,005	1,960
Utilization (fresh and processed)--1,000 pounds													
1976....	3,315	3,818	3,923	3,218	3,837	4,523	4,440	4,310	4,327	4,942	4,685	4,699	50,037
1977....	4,167	3,892	4,243	3,771	4,096	6,127	6,652	6,322	5,502	6,461	6,690	5,625	63,548
1978....	4,256	3,804	4,316	3,971	5,546	6,896	6,664	6,279	6,083	6,825	5,312	4,048	64,000
1979....	3,715	2,493	2,320	2,561	2,796	3,666	3,166	3,268	3,514	4,761	4,732	4,023	41,015
1980....	3,389	2,385	2,116	3,043	4,278	4,508	4,527	3,722	5,218	5,665	4,555	5,510	48,916
Farm price for fresh market sales within State--Cents per pound													
1976....	17.5	17.3	20.0	25.7	25.7	18.3	14.6	17.1	21.4	17.7	17.0	16.9	18.9
1977....	18.6	19.2	22.0	25.2	24.3	18.0	16.1	18.7	20.5	18.5	16.6	17.4	19.5
1978....	22.8	27.4	27.6	27.4	25.7	19.2	18.6	17.6	16.1	15.8	15.8	19.3	21.0
1979....	26.2	30.7	37.8	36.2	31.6	31.4	25.9	35.6	34.7	35.4	28.9	28.4	31.8
1980....	34.0	39.0	43.4	44.7	36.8	31.3	28.8	23.8	22.4	22.6	21.8	21.4	29.3
Outshipments of fresh papayas--1,000 pounds													
1976....	2,183	2,427	2,687	2,116	2,202	2,686	2,598	2,468	2,520	2,879	2,945	3,143	30,854
1977....	2,666	2,649	2,920	2,585	2,688	4,413	4,005	3,756	3,753	4,097	4,003	3,257	40,792
1978....	2,597	2,515	2,846	2,328	3,510	4,339	3,736	3,800	3,769	4,214	3,455	2,666	39,775
1979....	2,459	1,594	1,335	1,538	1,761	2,570	2,108	2,145	2,081	2,996	3,047	2,623	26,257
1980....	1,949	1,424	1,329	1,999	3,019	2,950	3,012	2,545	3,678	4,098	3,301	4,031	33,335
Farm price for fresh market sales (to the Mainland and foreign countries) Cents per pound													
1976....	11.4	10.0	14.1	16.1	16.8	12.4	12.3	10.6	9.8	8.7	8.9	7.3	11.3
1977....	8.3	12.6	14.5	16.6	18.7	13.5	6.2	11.1	9.4	7.8	8.9	10.2	11.1
1978....	14.0	16.7	15.5	18.7	19.2	13.5	9.7	7.8	8.0	6.3	8.5	12.0	12.0
1979....	16.3	21.4	34.0	33.6	36.3	27.5	19.2	28.5	25.4	24.6	21.6	27.2	25.5
1980....	21.7	29.6	34.7	35.4	21.8	22.1	17.3	19.8	15.2	11.0	14.3	12.4	19.0
Processed papayas--1,000 pounds													
1976....	162	208	206	211	591	578	674	870	819	989	620	521	6,449
1977....	404	260	199	214	358	579	1,554	1,480	765	1,035	1,424	1,289	9,561
1978....	532	136	315	417	570	1,355	1,633	1,244	1,126	1,090	583	375	9,376
1979....	224	120	82	145	98	214	271	392	752	830	848	593	4,569
1980....	659	222	195	233	188	496	511	225	209	364	51	203	3,556

1/ Total is average of monthly data.

AVOCADOS: Number of farms, acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Farms	Acreage[1]		Yield per acre (bearing)	Production	Farm price	Value of sales
		In crop	Bearing				
	Number	-----Acres-----		---1,000 pounds---		Cents per pound	1,000 dollars
1976..	121	205	125	9.2	1,150	22.2	255
1977..	124	305	145	6.5	940	25.8	243
1978..	127	330	160	5.8	920	28.6	263
1979..	142	340	165	7.7	1,270	26.6	338
1980..	145	350	200	7.6	1,510	24.5	370

1/ At end of year.

ORANGES: Number of farms, acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Farms	Acreage bearing[1]	Yield per acre	Production	Farm price	Value of sales
	Number	Acres	----1,000 pounds----		Cents per pound	1,000 dollars
1976..	47	55	5.8	320	12.9	41
1977..	46	55	4.9	270	12.6	34
1978..	45	42	5.2	220	17.3	38
1979..	32	37	5.4	200	18.1	36
1980..	28	30	4.7	140	18.1	25

1/ At end of year.

TANGERINES: Number of farms, acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Farms	Acreage bearing[1]	Yield per acre	Production	Farm price	Value of sales
	Number	Acres	----1,000 pounds----		Cents per pound	1,000 dollars
1976..	44	50	5.3	265	17.9	47
1977..	41	45	4.1	185	21.6	40
1978..	37	36	4.7	170	23.8	40
1979..	29	30	5.0	150	22.9	34
1980..	22	28	3.6	100	23.3	23

1/ At end of year.

PASSION FRUIT: Number of farms, acreage, quantity processed, price, and value, State of Hawaii, 1976-80

Year	Farms	Cultivated acreage[1]		Quantity processed[2]	Average price	Value of sales[2]
		In crop	Bearing			
	Number	-------Acres-------		1,000 pounds	Cents per pound	1,000 dollars
1976....	2	290	145	2,691	8.4	226
1977....	5	260	38	1,960	8.4	165
1978....	5	265	200	2,300	8.8	202
1979....	5	110	45	1,615	8.9	143
1980....	5	75	55	2,400	10.8	259

1/ At end of year. 2/ Includes wild and cultivated production.

GUAVAS: Total processed, farm production, number of farms, acreage, price, and value, State of Hawaii, 1976-80

Year	Total delivered to processors[1]			Farm production					
	Quantity processed	Average price	Value of sales	Farms	Acreage in crop	Acreage harvested	Production	Farm price	Value of sales
	1,000 pounds	Cents per pound	1,000 dollars	Number	------Acres------		1,000 pounds	Cents per pound	1,000 dollars
					STATE				
1976....	5,920	7.3	432	84	459	174	1,951	8.4	164
1977....	3,870	8.0	310	96	665	317	2,140	8.7	186
1978....	5,530	8.3	459	97	795	445	3,790	8.9	337
1979....	6,450	9.2	593	105	905	565	4,500	9.4	424
1980....	9,850	11.0	1,084	108	975	615	7,520	11.5	865
					HAWAII				
1976-79[2]									
1980....	6,700	11.2	750	93	495	325	5,420	11.7	634
				KAUAI/MAUI/MOLOKAI/OAHU[3]					
1976-79[2]									
1980....	3,150	10.6	334	15	480	290	2,100	11.0	231

1/ Fruit allocated to island of production not island where processed. Includes wild and cultivated production.
2/ Not published separately because of disclosure of individual operations.
3/ Kauai/Maui/Molokai/Oahu combined to avoid disclosure of individual operations.

GUAVAS: Quantity, price, and value, State of Hawaii, 1975-80

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL TOTAL	AVERAGE PRICE 1/	VALUE
	-------------------------------------1,000 POUNDS-------------------------------------													CENTS PER LB.	1,000 DOLLARS
1975.....	59	126	185	187	279	603	312	313	543	897	590	242	4,336	6.7	291
1976.....													5,920	7.3	432
1977.....					MONTHLY DATA UNAVAILABLE, 1976-78								3,870	8.0	310
1978.....													5,530	8.3	459
1979.....	183	217	150	166	269	290	160	1,045	2,327	1,061	290	292	6,450	9.2	593
1980.....	325	204	263	756	408	449	963	2,091	2,333	1,558	341	159	9,850	11.0	1,084

1/ Equivalent F.O.B. plant, island of production. Prices for guavas are averages for wild and cultivated fruit.

MARKET SUPPLY: Fresh market fruits, State of Hawaii, 1976-80[1]

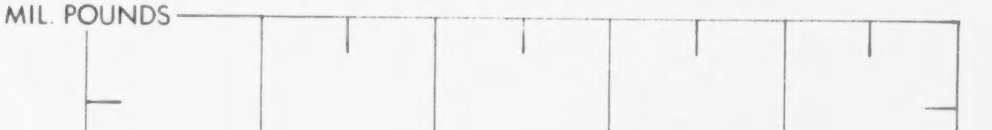
Commodity	1976	1977	1978	1979	1980
			1,000 pounds		
Apples: Inshipments	12,036	10,992	11,002	13,044	12,700
Avocados: Inshipments	99	270	478	379	283
Hawaii	1,150	940	920	1,270	1,510
Bananas: Inshipments	6,167	6,006	7,792	8,205	9,528
Hawaii	5,030	5,800	5,700	5,550	4,600
Grapefruit: Inshipments	2,836	2,577	2,851	2,829	3,145
Grapes: Inshipments	3,242	3,116	3,125	4,054	4,208
Lemons: Inshipments	2,409	2,681	3,028	3,025	2,771
Nectarines: Inshipments	1,349	1,622	1,112	1,732	1,744
Oranges: Inshipments	12,735	14,002	14,744	15,089	18,987
Hawaii	320	270	220	200	140
Papayas: Hawaii	12,734	13,195	14,849	10,189	12,025
Pears: Inshipments	2,833	2,834	2,703	2,777	2,581
Tangerines: Inshipments	1,063	883	1,029	1,125	1,169
Hawaii	265	185	170	150	100
All other fruits: Inshipments	5,010	4,800	4,079	4,839	4,376
Hawaii	255	266	280	350	285
Unspecified fruits: Inshipments			2/ 1,862	2/ 1,197	2/ 434
Total: Inshipments	49,779	49,783	53,805	58,295	61,926
Hawaii	19,754	20,656	22,139	17,709	18,660
All	69,533	70,439	75,944	76,004	80,586

1/ Excludes pineapples, guavas, papayas, and passion fruit used for processing, and quantities shipped out-of-State.

2/ Proration of shipments of unspecified mixed fruits destined for outlying islands.

Source of inshipment data: Market News Service, Hawaii Department of Agriculture.

MARKET SUPPLY: Fresh Market Fruits, State of Hawaii, 1960-80



HARS

MARKET SUPPLY: Fresh market melons, State of Hawaii, 1976-80

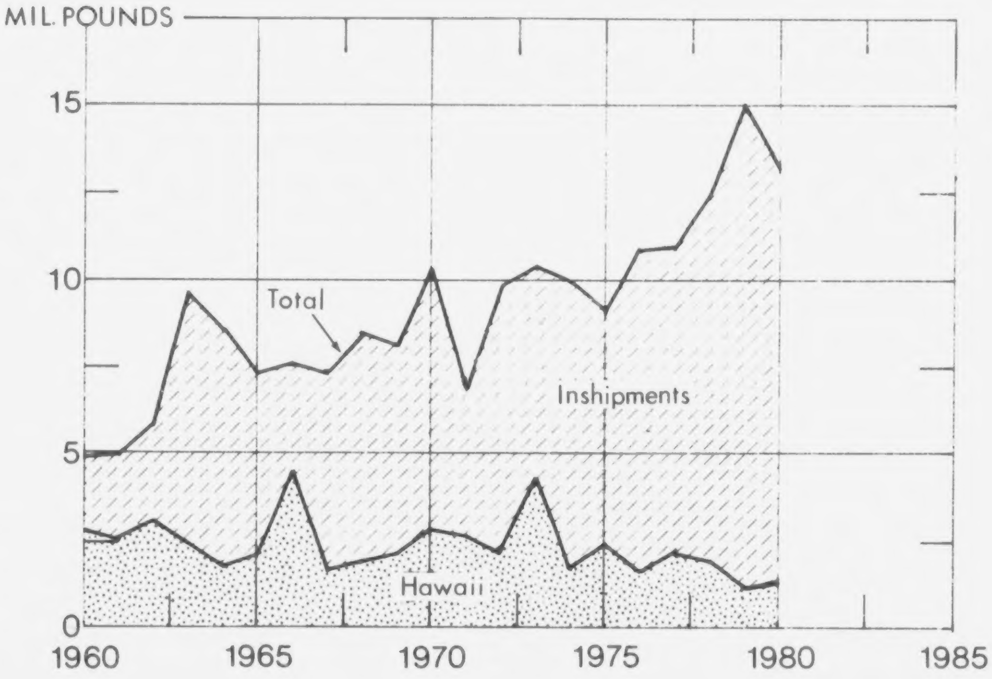
Commodity	1976	1977	1978	1979	1980
			1,000 pounds		
Cantaloupes:					
Inshipments..........	3,345	3,271	3,824	4,355	3,563
Hawaii...............	50	10	--	--	--
Honeydew melons:					
Inshipments..........	1,823	1,724	2,375	3,043	2,550
Watermelons:					
Inshipments..........	3,762	3,584	3,704	5,773	5,362
Hawaii...............	1,530	2,075	1,870	1,130	1,350
Other melons:					
Inshipments..........	291	207	194	380	324
Unspecified melons:					
Inshipments..........			[1]409	[1]263	[1]95
Total:					
Inshipments..........	9,221	8,786	10,506	13,814	11,894
Hawaii...............	1,580	2,085	1,870	1,130	1,350
All..................	10,801	10,871	12,376	14,944	13,244

-- = Negligible.

[1] Proration of shipments of unspecified mixed melons destined for outlying islands.

Source of inshipment data: Market News Service, Hawaii Department of Agriculture.

MARKET SUPPLY: Fresh Market Melons. State of Hawaii, 1960-80



HARS

MARKET SUPPLY: Fresh market vegetables, State of Hawaii, 1976-80

Commodity	1976	1977	1978	1979	1980
			1,000 pounds		
Beans, snap: Inshipments	294	328	275	275	292
Hawaii	1,100	1,200	1,300	1,400	1,100
Bittermelon: Inshipments	0	0	0	8	1
Hawaii	330	450	330	320	220
Broccoli: Inshipments	2,256	2,309	2,529	2,812	3,092
Hawaii	115	135	270	360	370
Burdock: Inshipments	0	0	0	0	0
Hawaii	455	455	495	580	570
Cabbage, Chinese: Inshipments	89	134	259	613	360
Hawaii [1]	5,745	6,360	6,050	6,600	6,900
Cabbage, head: Inshipments	137	233	358	627	646
Hawaii	12,300	13,000	13,800	13,500	13,600
Cabbage, mustard: Inshipments	50	41	14	42	64
Hawaii	1,515	1,350	1,470	1,250	1,330
Carrots: Inshipments	5,631	6,549	6,878	7,354	7,716
Hawaii	225	175	180	290	310
Cauliflower: Inshipments	658	630	587	817	961
Hawaii	320	460	610	490	420
Celery: Inshipments	4,272	4,205	4,331	5,047	4,852
Hawaii	2,120	2,360	2,765	2,650	2,880
Corn, sweet: Hawaii	790	1,620	1,590	1,510	950
Cucumbers: Inshipments	515	1,027	1,241	1,399	1,360
Hawaii	4,800	4,300	4,300	4,700	4,600
Daikon: Inshipments	3	7	2	0	0
Hawaii [1]	2,045	2,220	2,155	3,260	3,130
Dasheens: Inshipments	6	2	0	0	0
Hawaii	205	270	240	250	340
Eggplant: Inshipments	113	115	126	193	143
Hawaii	1,120	1,425	1,740	1,570	1,540
Ginger root: Inshipments	275	329	183	170	376
Hawaii	650	1,110	1,340	1,860	1,610
Lettuce: Inshipments	11,591	11,782	12,204	14,112	13,687
Hawaii	8,600	9,800	10,300	9,400	9,900
Lotus root: Hawaii	165	150	190	210	190
Onions, dry: Inshipments	10,854	11,469	12,383	12,753	13,020
Hawaii	2,875	1,850	1,500	1,190	1,150
Onions, green: Inshipments	366	493	400	520	585
Hawaii	940	835	980	1,135	900
Parsley, American: Inshipments	19	52	84	44	17
Hawaii	140	165	210	170	250
Peas, Chinese: Inshipments	51	62	26	83	189
Hawaii	85	75	85	100	70
Peppers, green: Inshipments	1,270	1,173	1,595	1,757	1,913
Hawaii	830	1,070	820	890	620
Potatoes: Inshipments [2]	32,289	32,218	34,464	36,136	36,527
Hawaii	65	75	--	--	--
Pumpkins: Inshipments	264	314	308	189	227
Hawaii	300	295	340	300	295
Radish: Inshipments	7	14	11	8	1
Hawaii	295	345	230	360	295

See footnotes at end of table, page

Continued

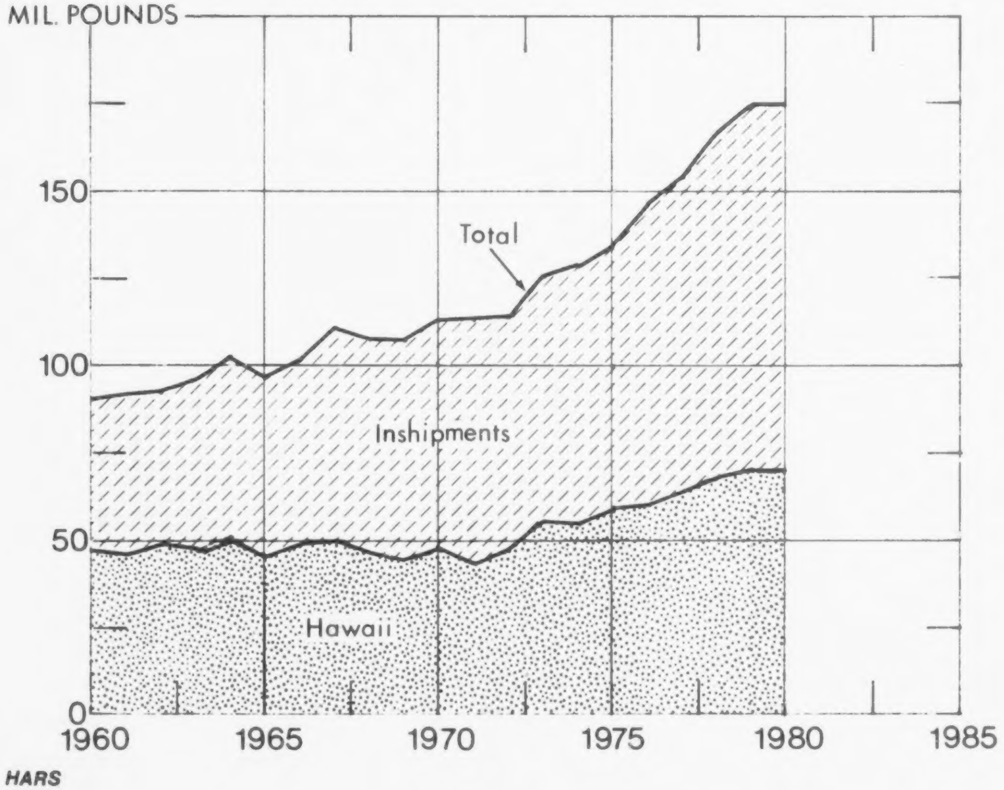
MARKET SUPPLY: Fresh market vegetables, State of Hawaii, 1976-80--Continued

Commodity	1976	1977	1978	1979	1980
	1,000 pounds				
Romaine: Inshipments	616	522	486	714	746
Hawaii	1,800	1,905	2,345	2,270	2,170
Squash, Italian: Inshipments	483	587	855	1,198	1,221
Hawaii	210	375	350	220	300
Squash, Oriental: Inshipments	37	14	31	92	4
Hawaii	625	550	750	780	730
Sweetpotatoes: Inshipments	594	605	533	601	767
Hawaii	1,365	1,190	1,520	1,740	1,300
Tomatoes: Inshipments	7,106	6,608	7,887	8,442	8,114
Hawaii	4,700	6,000	7,000	6,200	7,700
Watercress: Inshipments	0	1	1	0	0
Hawaii	1,755	1,380	1,545	1,670	1,420
All other vegetables: Inshipments	5,327	6,309	5,508	6,856	7,331
Hawaii	1,420	1,450	1,530	1,855	1,930
Unspecified vegetables: Inshipments			3/ 3,560	3/ 2,293	3/ 827
Total: Inshipments	85,173	88,132	97,119	105,155	105,039
Hawaii	60,005	64,400	68,330	69,080	69,090
All	145,178	152,532	165,449	174,235	174,129

-- = Negligible. 1/ Fresh market only. 2/ For processing and fresh market. (Potato production for Hawaii included with all other vegetables for Hawaii to avoid disclosure in 1978-80.) 3/ Proration of shipments of unspecified mixed vegetables destined for outlying islands.

Source of inshipment data: Market News Service, Hawaii Department of Agriculture.

MARKET SUPPLY: Fresh Market Vegetables, State of Hawaii, 1960-80



HARS

SNAP BEANS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	130	8.5	1,100	45.5	501
1977..	160	7.5	1,200	52.5	630
1978..	200	6.5	1,300	57.5	748
1979..	210	6.5	1,400	66.9	937
1980..	130	8.5	1,100	73.8	812
			HAWAII/KAUAI 2/		
1976..	28	11.8	330	43.5	144
1977..	15	12.3	185	46.0	85
1978..	25	9.6	240	51.3	123
1979..	30	7.7	230	54.6	126
1980..	20	10.5	210	61.1	128
			MAUI/MOLOKAI		
1976..	48	7.7	370	42.5	157
1977..	85	7.1	605	48.7	295
1978..	100	6.0	600	56.4	338
1979..	90	6.6	590	66.0	389
1980..	85	7.4	630	78.4	494
			OAHU		
1976..	50	8.0	400	49.9	200
1977..	60	6.8	410	60.9	250
1978..	75	6.1	460	62.3	287
1979..	90	6.4	580	72.8	422
1980..	25	10.4	260	72.9	190

1/ Sum of island estimates may not add to State total due to rounding.
2/ Kauai combined with Hawaii to avoid disclosure of individual operations.

SNAP BEANS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production[2]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January..........	17	20	21	17	10	107	94	127	74	46	45.7	46.3	52.1	68.6	76.8
February.........	14	21	19	17	12	58	97	135	70	71	48.5	49.3	49.5	73.1	73.8
March............	13	22	22	19	9	74	88	127	130	90	58.4	58.2	48.5	68.8	74.6
April............	18	23	24	22	14	93	88	115	144	93	52.1	61.3	57.1	61.8	74.3
May..............	21	23	25	26	14	110	116	126	151	114	46.1	51.4	57.7	57.0	72.0
June.............	21	25	24	25	13	108	114	102	118	100	38.6	40.0	54.7	62.1	74.5
July.............	25	23	22	26	13	114	126	98	141	104	39.2	46.8	59.8	71.0	73.9
August...........	25	22	21	22	14	107	105	107	141	117	36.3	48.1	62.2	62.5	72.8
September........	19	23	20	24	13	95	91	84	152	88	37.6	55.6	62.6	66.3	71.6
October..........	17	22	20	20	12	79	92	112	107	96	47.8	60.3	63.7	67.7	72.1
November.........	16	21	22	18	15	73	93	81	98	102	51.7	59.9	67.8	70.1	75.0
December.........	18	21	20	17	13	84	96	86	85	79	54.0	59.3	64.3	88.0	76.2
Total or average.	130	160	200	210	130	1,100	1,200	1,300	1,400	1,100	45.5	52.5	57.5	66.9	73.8

1/ Sum of monthly data exceeds total because harvest period longer than 1 month.
2/ Sum of monthly estimates may not add to annual total due to rounding.

BROCCOLI: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	13	8.8	115	29.2	34
1977..	13	10.4	135	30.5	41
1978..	26	10.4	270	31.7	86
1979..	40	9.0	360	32.8	118
1980..	40	9.2	370	33.2	123

BURDOCK: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	24	19.0	455	37.6	171
1977..	23	19.8	455	39.6	180
1978..	31	16.0	495	43.3	214
1979..	35	16.6	580	49.5	287
1980..	35	16.3	570	56.9	324

CARROTS: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	15	15.0	225	12.9	29
1977..	14	12.5	175	17.3	30
1978..	14	12.9	180	17.9	32
1979..	25	11.6	290	19.7	57
1980..	25	12.4	310	19.9	62

CAULIFLOWER: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	26	12.3	320	21.0	67
1977..	31	14.8	460	25.2	116
1978..	42	14.5	610	27.0	165
1979..	33	14.8	490	27.6	135
1980..	30	14.0	420	30.0	126

CHINESE CABBAGE: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	260	24.9	6,465	10.8	698
1977..	270	26.3	7,090	12.3	872
1978..	270	25.1	6,770	12.1	819
1979..	335	19.7	6,600	15.2	1,003
1980..	350	19.7	6,900	14.5	1,001
			HAWAII		
1976..	215	27.1	5,830	10.7	624
1977..	215	29.1	6,255	12.2	763
1978..	225	26.6	5,975	12.1	723
1979..	290	19.9	5,760	15.1	870
1980..	315	20.0	6,300	14.3	901
			KAUAI/MAUI/OAHU 2/		
1976..	45	14.1	635	11.6	74
1977..	55	15.2	835	13.0	109
1978..	47	16.9	795	12.1	96
1979..	45	18.7	840	15.8	133
1980..	35	17.1	600	16.6	100

1/ Sum of island estimates may not add to State total due to rounding.

2/ Kauai and Oahu combined with Maui to avoid disclosure of individual operations.

CHINESE CABBAGE: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested 1/					Processing and fresh market									
						Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	------------Acres------------					----------1,000 pounds----------					--------Cents per pound--------				
January..........	23	22	22	26	29	544	559	582	488	519	10.4	12.4	9.5	15.2	18.1
February.........	24	28	23	27	26	621	820	576	389	555	10.2	12.6	9.0	17.3	15.8
March............	28	36	32	30	40	740	958	933	638	694	10.5	12.5	9.7	21.8	13.8
April............	23	30	33	40	30	666	731	859	1,043	587	10.5	12.5	11.2	17.0	13.1
May..............	22	21	18	31	30	541	550	459	658	586	9.4	10.6	12.7	11.7	14.1
June.............	18	18	19	23	33	485	469	507	540	525	8.7	10.9	13.1	11.3	13.7
July.............	18	19	16	27	28	455	482	380	429	610	8.7	10.9	14.3	12.8	12.6
August...........	21	17	15	27	27	427	423	339	524	507	11.0	11.9	15.1	16.1	12.9
September........	19	18	19	26	27	446	428	484	451	570	11.7	14.8	15.5	12.2	16.1
October..........	22	19	26	26	24	497	528	618	554	531	12.6	14.8	13.7	12.6	14.8
November.........	20	19	22	28	27	506	540	450	427	502	13.5	12.1	12.6	15.5	14.8
December.........	22	23	27	27	29	537	602	583	459	714	12.6	11.0	13.8	17.2	14.7
Total or average.	260	270	270	335	350	6,465	7,090	6,770	6,600	6,900	10.8	12.3	12.1	15.2	14.5

1/ Sum of monthly estimates may not add to annual total due to rounding.

PROCESSED CHINESE CABBAGE AND DAIKON: Quantity processed, price, and value, State of Hawaii, 1976-80

Year	Chinese cabbage			Daikon		
	Quantity processed	Farm price	Value of sales	Quantity processed	Farm price	Value of sales
	1,000 pounds	Cents per pound	1,000 dollars	1,000 pounds	Cents per pound	1,000 dollars
1976..	720	10.6	76	1,155	7.1	82
1977..	730	12.0	88	1,130	7.5	85
1978..	720	13.1	94	1,015	7.5	76
1979..	900	15.2	137	1,010	7.7	78
1980..	840	14.8	124	1,030	8.6	89

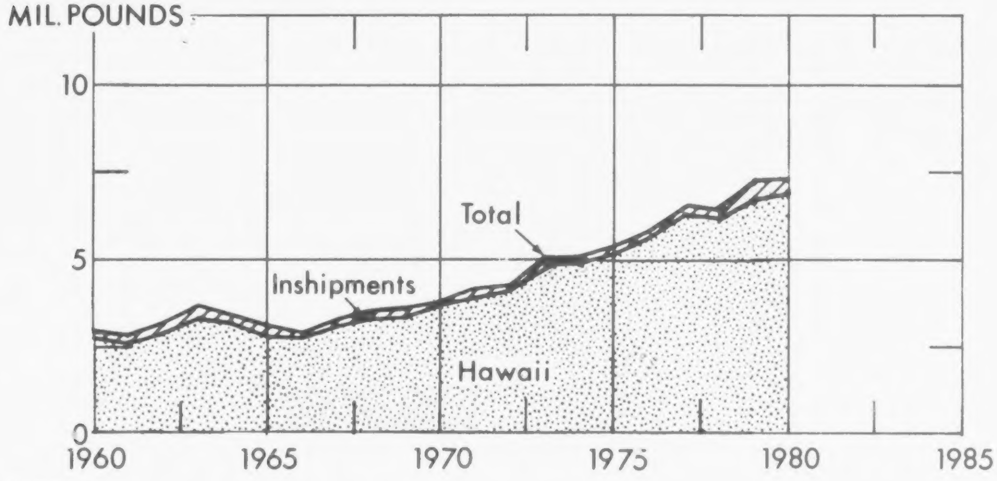
MUSTARD CABBAGE: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	80	18.9	1,515	18.7	283
1977..	90	15.0	1,350	21.5	290
1978..	110	13.4	1,470	23.3	343
1979..	120	10.4	1,250	29.0	363
1980..	100	13.3	1,330	30.3	403

DASHEENS: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	8	25.6	205	49.1	101
1977..	10	27.0	270	47.8	129
1978..	9	26.7	240	46.3	111
1979..	10	25.0	250	51.3	128
1980..	14	24.3	340	51.4	175

MARKET SUPPLY: Fresh Market Chinese Cabbage, State of Hawaii, 1960-80



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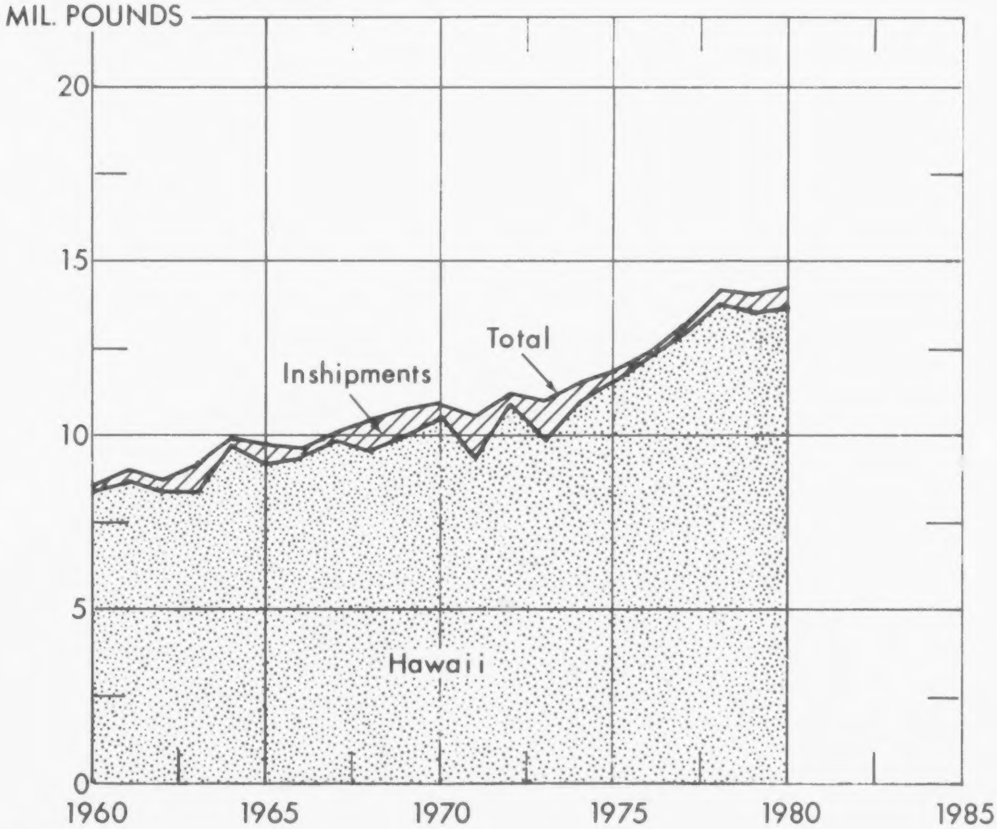
MARKET SUPPLY: Fresh Market Head Cabbage, State of Hawaii, 1960-80



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HEAD CABBAGE: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE [1]		
1976..	410	30.0	12,300	9.9	1,218
1977..	440	29.5	13,000	11.2	1,456
1978..	460	30.0	13,800	10.5	1,449
1979..	450	30.0	13,500	11.3	1,526
1980..	460	29.5	13,600	12.8	1,741
			HAWAII/KAUAI/OAHU [2]		
1976..	80	20.8	1,665	8.9	148
1977..	66	25.6	1,690	9.8	165
1978..	80	22.9	1,835	10.5	193
1979..	90	22.4	2,020	11.2	226
1980..	100	23.3	2,330	12.3	287
			MAUI		
1976..	330	32.1	10,590	10.1	1,070
1977..	375	30.2	11,325	11.4	1,291
1978..	380	31.5	11,965	10.5	1,256
1979..	360	31.9	11,500	11.3	1,300
1980..	360	31.3	11,270	12.9	1,454

1/ Sum of island estimates may not add to State total due to rounding.

2/ Kauai and Oahu combined with Hawaii to avoid disclosure of individual operations.

HEAD CABBAGE: Acreage, production, and price, by month, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production[1]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	-----------Acres-----------					----------1,000 pounds----------					--------Cents per pound--------				
January..........	33	41	38	34	38	1,025	1,092	1,167	949	1,162	10.1	10.9	11.5	13.9	14.7
February.........	33	42	39	37	36	987	1,134	1,165	1,020	1,087	10.2	10.8	10.7	15.6	12.9
March............	49	45	41	36	37	1,200	1,360	1,232	1,037	1,198	10.1	10.9	10.1	18.5	12.5
April............	35	40	39	38	38	1,124	1,048	1,115	1,179	1,220	10.1	10.6	8.8	15.6	12.5
May..............	30	30	39	44	40	940	1,075	1,191	1,334	1,245	9.2	9.8	7.9	9.8	12.5
June.............	37	31	36	39	39	1,039	1,045	1,090	1,185	1,128	8.7	9.4	8.1	8.4	11.3
July.............	34	33	34	40	39	941	876	949	1,180	1,183	8.3	10.1	10.0	7.9	10.4
August...........	33	35	40	38	41	958	1,058	1,257	1,227	1,093	8.1	11.2	11.4	7.8	10.6
September........	32	35	37	38	41	983	999	1,124	1,130	1,118	9.1	12.5	11.4	7.8	13.0
October..........	30	35	39	37	36	940	1,000	1,193	1,121	961	10.6	13.0	11.3	8.6	13.7
November.........	32	36	39	38	36	1,024	1,110	1,169	1,117	994	12.6	12.5	11.9	11.6	14.7
December.........	32	37	39	33	37	1,094	1,218	1,148	1,041	1,211	11.0	12.4	12.9	12.3	14.7
Total or average.	410	440	460	450	460	12,300	13,000	13,800	13,500	13,600	9.9	11.2	10.5	11.3	12.8

1/ Sum of monthly estimates may not add to State total due to rounding.

CELERY: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE		
1976..	49	43.3	2,120	16.4	348
1977..	42	56.2	2,360	17.0	401
1978..	50	55.3	2,765	17.3	478
1979..	65	40.8	2,650	17.3	458
1980..	70	41.1	2,880	16.7	481
			HAWAII		
1976..	39	43.6	1,700	16.2	275
1977..	32	57.2	1,830	16.5	302
1978..	38	57.0	2,165	16.7	362
1979..	50	41.6	2,080	16.7	347
1980..	55	41.8	2,300	16.1	370
			MAUI		
1976..	10	42.0	420	17.3	73
1977..	10	53.0	530	18.6	99
1978..	12	50.0	600	19.3	116
1979..	15	38.0	570	19.4	111
1980..	15	38.7	580	19.1	111

CELERY: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	-----------Acres-----------					----------1,000 pounds----------					--------Cents per pound--------				
January..........	4	3	4	5	4	167	154	175	162	164	18.0	17.3	16.2	17.8	18.7
February.........	4	3	4	5	4	186	193	207	183	155	19.0	18.4	16.0	19.2	18.0
March............	4	4	4	5	6	183	205	254	195	240	17.3	17.8	16.1	18.5	17.5
April............	4	4	4	6	6	184	219	261	233	261	16.4	17.5	17.0	17.7	16.2
May..............	4	4	5	6	5	178	228	300	243	244	15.8	17.1	18.6	16.5	16.5
June.............	5	4	5	6	6	187	214	272	264	253	15.6	16.5	17.8	17.6	16.5
July.............	5	4	4	6	7	198	227	225	255	261	15.2	16.3	19.5	18.4	16.5
August...........	4	4	4	6	7	177	235	223	254	275	15.3	16.6	18.3	16.5	16.6
September........	3	3	4	6	6	154	211	216	209	238	15.7	16.6	16.8	16.4	16.1
October..........	3	3	4	5	6	144	145	213	232	260	15.7	16.7	17.0	16.2	16.2
November.........	4	3	4	5	7	172	155	203	226	260	16.1	16.3	17.1	16.6	16.1
December.........	5	3	4	4	6	190	174	216	194	269	16.2	17.3	16.4	16.6	16.4
Total or average.	49	42	50	65	70	2,120	2,360	2,765	2,650	2,880	16.4	17.0	17.3	17.3	16.7

SWEET CORN: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	335	2.4	790	23.7	187
1977..	410	4.0	1,620	23.2	376
1978..	400	4.0	1,590	20.0	318
1979..	380	4.0	1,510	21.2	320
1980..	250	3.8	950	26.2	249
			HAWAII/KAUAI 2/		
1976..	21	5.0	105	22.7	23
1977..	16	4.1	65	22.5	15
1978..	15	5.0	75	20.0	15
1979..	20	4.5	90	22.7	20
1980..	35	4.9	170	27.6	47
			MAUI/MOLOKAI		
1976..	8	8.1	65	18.0	12
1977..	47	4.5	210	22.1	46
1978..	30	4.5	135	22.5	30
1979..	30	3.0	90	21.0	19
1980..	20	4.0	80	24.5	20
			OAHU		
1976..	305	2.0	620	24.5	152
1977..	345	3.9	1,345	23.4	315
1978..	355	3.9	1,380	19.8	273
1979..	330	4.0	1,330	21.1	281
1980..	195	3.6	700	26.0	182

1/ Sum of island estimates may not add to State total due to rounding.
2/ Kauai combined with Hawaii to avoid disclosure of individual operations.

SWEET CORN: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested					Production[1]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	------------Acres------------					---------1,000 pounds---------					-------Cents per pound-------				
January..........	19	26	23	35	13	49	69	106	61	33	20.9	24.6	21.2	24.5	23.2
February.........	13	27	22	16	12	30	83	100	29	36	22.7	23.5	20.9	21.4	22.7
March............	16	34	26	23	8	40	129	117	74	21	23.6	23.2	20.9	19.9	25.7
April............	23	40	27	17	16	38	161	135	64	48	23.8	22.4	20.5	20.1	27.8
May..............	26	41	40	23	21	64	166	164	98	91	24.5	23.9	19.3	23.6	21.7
June.......... ...	30	35	41	30	18	70	119	140	167	93	24.8	25.6	20.2	22.8	21.6
July.............	31	28	44	39	23	72	113	138	196	133	24.2	26.2	21.3	21.2	26.8
August...........	27	41	28	41	27	70	169	122	195	125	23.7	26.5	20.2	20.7	27.1
September........	33	42	28	43	24	96	215	130	206	80	22.9	20.8	19.5	20.4	26.6
October..........	35	36	38	39	27	78	164	163	190	86	24.0	20.6	19.2	21.1	28.1
November.........	43	35	42	42	32	96	127	127	145	101	23.8	21.9	18.8	20.4	28.8
December.........	39	25	41	32	29	85	103	148	85	103	24.3	21.3	19.4	19.7	29.5
Total or average	335	410	400	380	250	790	1,620	1,590	1,510	950	23.7	23.2	20.0	21.2	26.2

1/ Sum of monthly estimates may not add to annual total due to rounding.

CUCUMBERS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	260	18.5	4,800	17.8	854
1977..	260	16.5	4,300	23.4	1,006
1978..	260	16.5	4,300	24.0	1,032
1979..	270	17.5	4,700	26.1	1,227
1980..	210	21.9	4,600	25.5	1,173
			HAWAII		
1976..	100	28.0	2,795	16.7	467
1977..	100	21.2	2,125	21.1	448
1978..	95	21.7	2,060	21.2	437
1979..	120	21.7	2,600	23.3	606
1980..	90	32.8	2,950	22.8	673
			KAUAI		
1976..	70	12.6	880	18.9	166
1977..	40	12.3	490	23.8	117
1978..	40	16.1	645	23.3	150
1979..	35	17.7	620	26.1	162
1980..	15	16.0	240	27.7	66
			MAUI/MOLOKAI		
1976..	10	21.5	215	21.5	46
1977..	25	14.8	370	25.5	94
1978..	25	14.0	350	26.0	91
1979..	15	16.7	250	31.2	78
1980..	25	14.4	360	26.7	96
			OAHU		
1976..	80	11.2	900	19.4	175
1977..	95	13.8	1,315	26.4	347
1978..	100	12.4	1,245	28.4	354
1979..	100	12.3	1,230	31.0	381
1980..	80	13.1	1,050	32.2	338

1/ Sum of island estimates may not add to State total due to rounding.

CUCUMBERS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production[2]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	-----------Acres-----------					----------1,000 pounds----------					-------Cents per pound-------				
January..........	28	31	34	24	22	268	199	351	198	217	23.1	24.8	23.2	33.5	26.7
February.........	31	29	28	22	17	239	206	244	98	264	23.5	29.2	25.0	39.4	26.3
March............	34	32	34	35	21	414	353	296	355	220	21.6	29.3	27.7	26.1	27.9
April............	37	42	38	32	27	368	387	444	366	392	20.7	27.4	28.1	24.6	26.4
May..............	41	37	46	29	28	481	466	645	425	488	15.1	20.1	14.9	27.0	25.4
June.............	34	23	34	33	28	445	273	363	471	354	13.8	22.4	22.6	25.5	23.8
July.............	25	22	31	38	30	548	399	406	458	526	13.1	23.6	26.0	25.2	22.9
August...........	27	33	32	31	37	416	503	435	528	577	14.3	17.5	19.8	23.1	18.5
September........	29	30	33	36	30	439	349	310	527	479	12.8	22.5	23.5	25.1	23.8
October..........	25	35	36	42	25	332	396	284	474	298	22.2	21.4	28.0	25.0	28.9
November.........	29	36	36	36	22	453	322	255	393	336	20.5	26.7	30.1	25.7	31.1
December.........	35	36	33	28	22	385	447	267	407	449	21.4	22.6	30.7	28.2	31.7
Total or average.	260	260	260	270	210	4,800	4,300	4,300	4,700	4,600	17.8	23.4	24.0	26.1	25.5

1/ Sum of monthly data exceeds total because harvest period longer than 1 month.
2/ Sum of monthly estimates may not add to annual total due to rounding.

DAIKON: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	145	22.1	3,200	10.9	349
1977..	160	20.9	3,350	12.2	409
1978..	160	19.8	3,170	13.6	431
1979..	210	15.5	3,260	15.2	496
1980..	200	16.9	3,370	15.9	536
			HAWAII		
1976..	70	21.1	1,480	7.6	113
1977..	70	22.1	1,545	8.2	127
1978..	70	19.3	1,350	8.3	112
1979..	110	13.4	1,470	9.4	138
1980..	110	15.0	1,645	10.6	174
			MAUI/OAHU 2/		
1976..	77	22.3	1,720	13.7	236
1977..	90	20.1	1,805	15.6	282
1978..	90	20.2	1,820	17.5	319
1979..	100	17.9	1,790	20.0	358
1980..	90	19.2	1,725	21.0	362

1/ Sum of island estimates may not add to State total due to rounding.
2/ Maui and Oahu combined to avoid disclosure of individual operations.

DAIKON: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested 1/					Processing and fresh market									
						Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	------------Acres------------					----------1,000 pounds----------					-------Cents per pound-------				
January..........	10	13	14	15	18	245	306	317	266	266	12.6	10.3	9.9	19.6	17.3
February.........	6	15	12	15	16	206	275	273	205	288	12.5	11.5	12.0	18.8	17.5
March............	9	15	14	15	15	226	286	323	193	267	15.9	13.4	10.9	21.0	17.9
April............	12	14	12	17	20	315	274	295	259	385	11.0	11.7	12.4	19.2	14.6
May..............	13	11	10	18	21	259	220	278	333	370	9.2	12.4	12.6	11.6	12.2
June.............	14	12	10	21	14	288	265	243	301	244	9.2	15.0	14.0	11.2	13.8
July.............	14	13	14	22	16	300	306	278	295	276	8.6	12.5	16.3	12.9	15.7
August...........	15	14	15	22	17	269	317	273	299	267	8.8	10.0	12.2	13.9	14.3
September........	12	13	13	15	16	233	247	230	252	255	11.1	11.9	13.5	13.0	15.2
October..........	12	12	17	16	17	273	242	242	295	247	13.3	14.0	16.6	16.6	17.0
November.........	13	13	15	18	12	304	276	216	323	212	10.2	13.8	16.9	12.3	19.2
December.........	15	15	14	16	18	282	336	202	239	293	9.6	11.2	19.0	16.9	18.5
Total or average.	145	160	160	210	200	3,200	3,350	3,170	3,260	3,370	10.9	12.2	13.6	15.2	15.9

1/ Sum of monthly estimates may not add to State total due to rounding.

EGGPLANT: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	35	32.0	1,120	29.8	334
1977..	55	25.9	1,425	32.9	469
1978..	65	26.8	1,740	34.3	597
1979..	60	26.2	1,570	42.0	659
1980..	60	25.7	1,540	38.1	587
			HAWAII/MAUI/MOLOKAI 2/		
1976..	6	19.5	117	28.9	33
1977..	11	21.4	235	25.3	59
1978..	11	19.5	215	25.0	54
1979..	13	18.5	240	35.0	84
1980..	14	18.6	260	35.8	93
			KAUAI		
1976..	13	36.9	480	27.9	134
1977..	19	26.3	500	31.6	158
1978..	19	29.7	565	30.4	172
1979..	17	28.2	480	38.8	186
1980..	17	28.8	490	38.1	187
			OAHU		
1976..	16	32.8	525	31.8	167
1977..	25	27.6	690	36.5	252
1978..	35	27.4	960	38.6	371
1979..	30	28.3	850	45.8	389
1980..	29	27.2	790	38.8	307

1/ Sum of island estimates may not add to State total due to rounding.

2/ Hawaii, Maui, and Molokai combined to avoid disclosure of individual operations.

GINGER ROOT: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Out-of-State sales	Farm price	Value of sales
	Acres	---------1,000 pounds---------			Cents per pound	1,000 dollars
1976	18	36.1	650	NA	61.8	402
1977	39	28.5	1,110	NA	65.4	726
1978	55	24.4	1,340	NA	61.1	819
1979	75	24.8	1,860	1,155	61.2	1,138
1980	40	40.8	1,610	1,350	67.7	1,090

NA = Not available.

LETTUCE (HEAD, SEMI-HEAD): Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	1,000 pounds	1,000 pounds	Cents per pound	1,000 dollars
			STATE 1/		
1976..	520	16.5	8,600	19.1	1,643
1977..	530	18.5	9,800	19.1	1,872
1978..	590	17.5	10,300	20.9	2,153
1979..	650	14.5	9,400	21.1	1,983
1980..	**660**	**15.0**	**9,900**	**19.7**	**1,950**
			HAWAII		
1976..	235	12.4	2,910	17.3	503
1977..	185	18.4	3,405	15.5	528
1978..	235	17.5	4,120	16.9	696
1979..	330	12.5	4,140	17.3	716
1980..	**350**	**12.6**	**4,400**	**16.1**	**708**
			MAUI/MOLOKAI		
1976..	150	23.5	3,520	17.7	623
1977..	205	20.4	4,185	17.1	716
1978..	215	18.8	4,035	19.6	791
1979..	190	17.3	3,280	19.7	646
1980..	**190**	**18.2**	**3,450**	**18.3**	**631**
			OAHU		
1976..	135	16.2	2,190	23.6	517
1977..	140	15.8	2,205	28.5	628
1978..	140	15.2	2,135	31.2	666
1979..	130	15.2	1,970	31.5	621
1980..	**120**	**17.1**	**2,050**	**29.8**	**611**

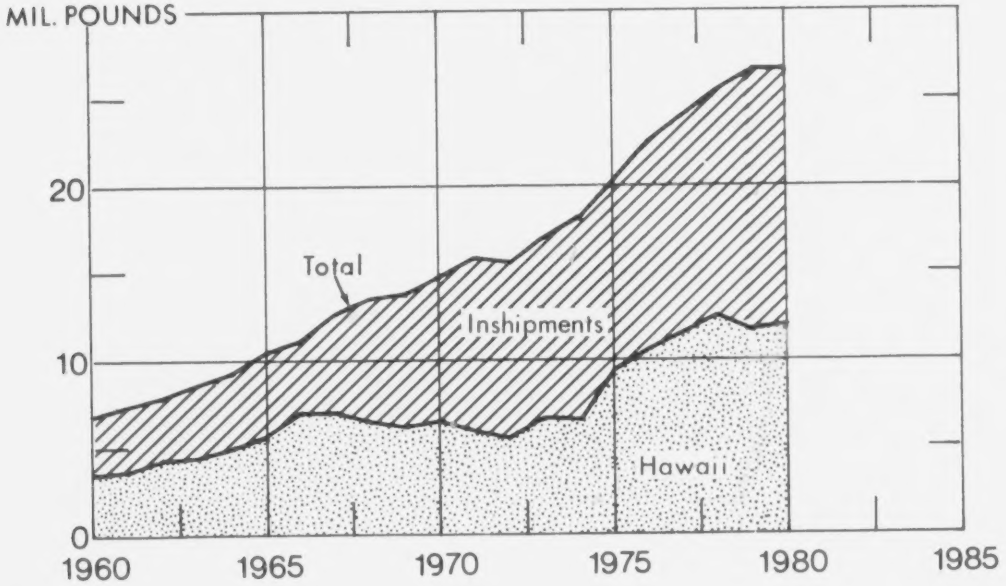
1/ Sum of island estimates may not add to State total due to rounding.

LETTUCE (HEAD, SEMI-HEAD): Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production[1]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January............	38	46	44	53	39	690	779	807	744	485	19.4	20.2	20.4	25.4	23.6
February...........	35	48	45	46	41	501	805	803	441	551	19.3	21.2	22.7	30.0	24.0
March..............	47	46	49	50	55	564	961	1,101	585	801	20.7	20.1	17.9	28.4	19.5
April..............	32	46	58	52	48	620	821	1,159	813	751	18.9	19.9	20.1	18.0	20.7
May................	51	42	51	59	62	844	865	1,026	987	975	17.7	18.8	24.0	17.9	19.1
June...............	52	41	44	55	61	783	851	796	832	895	16.2	17.7	22.5	17.4	18.4
July...............	49	42	47	59	62	889	897	818	955	962	16.3	18.2	22.2	18.6	17.1
August.............	42	45	47	59	62	763	849	899	911	933	19.1	19.5	20.0	19.5	18.0
September..........	45	43	47	55	57	770	750	816	884	922	19.3	20.7	18.7	20.3	19.6
October............	40	46	54	55	56	633	793	829	739	905	22.9	20.7	19.8	21.4	21.5
November...........	45	40	53	54	58	779	737	520	737	912	21.6	21.2	21.6	22.3	19.6
December...........	44	45	51	53	59	784	687	716	762	808	19.0	21.4	22.2	22.3	19.6
Total or average...	520	530	590	650	660	8,600	9,800	10,300	9,400	9,900	19.1	19.1	20.9	21.1	19.7

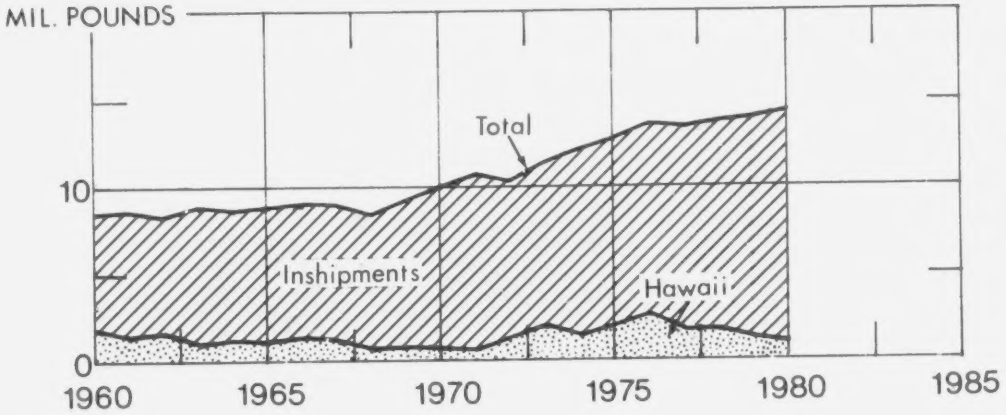
1/ Sum of monthly estimates may not add to State total due to rounding.

MARKET SUPPLY: Fresh Market Lettuce, State of Hawaii, 1960-80



HARS

MARKET SUPPLY: Fresh Market Dry Onions, State of Hawaii, 1960-80



HARS

DRY ONIONS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	1,000 pounds	1,000 pounds	Cents per pound	1,000 dollars
			STATE[1]		
1976..	215	13.4	2,875	24.9	716
1977..	85	21.8	1,850	35.6	659
1978..	75	20.0	1,500	36.3	544
1979..	70	17.0	1,190	45.0	536
1980..	80	14.4	1,150	60.8	699
			HAWAII/KAUAI/OAHU[2]		
1976..	10	13.5	135	25.5	34
1977..	8	16.2	130	40.1	52
1978..	10	15.0	150	40.8	61
1979..	10	12.0	120	47.2	57
1980..	5	14.0	70	58.5	41
			MAUI/MOLOKAI		
1976..	205	13.4	2,740	24.9	682
1977..	75	22.9	1,720	35.3	607
1978..	65	20.8	1,350	35.8	483
1979..	60	17.8	1,070	44.8	479
1980..	75	14.4	1,080	60.9	658

[1] Sum of island estimates may not add to State total due to rounding.

[2] Hawaii, Kauai, and Oahu combined to avoid disclosure of individual operations.

DRY ONIONS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January...........	5	7	6	6	5	82	127	100	72	83	34.6	36.4	43.0	56.4	57.9
February..........	5	8	8	8	5	71	143	153	77	75	36.2	39.4	44.2	53.4	62.1
March.............	10	9	10	3	5	89	182	242	43	87	32.4	40.3	38.2	61.1	65.5
April.............	46	11	10	9	5	543	222	246	124	74	26.4	38.5	35.2	48.0	59.0
May...............	41	10	11	8	6	469	238	220	155	84	23.7	30.8	25.7	31.1	69.5
June..............	30	10	8	7	10	415	208	165	144	148	18.8	29.5	23.3	34.5	60.5
July..............	21	7	4	6	11	427	172	74	125	147	13.4	27.8	28.8	35.7	51.0
August............	21	5	4	4	5	144	137	73	71	57	23.8	32.5	36.4	41.3	55.5
September.........	12	4	3	4	5	178	109	40	79	84	27.9	38.5	43.9	46.9	54.5
October...........	7	4	5	4	5	150	117	99	67	82	33.1	40.5	49.4	50.6	63.6
November..........	8	4	3	4	10	141	113	51	103	115	35.5	41.3	50.1	53.5	69.4
December..........	9	4	3	7	8	166	82	37	130	114	35.9	41.6	52.9	54.0	62.6
Total or average...	215	85	75	70	80	2,875	1,850	1,500	1,190	1,150	24.9	35.6	36.3	45.0	60.8

[1] Sum of monthly estimates may not add to State total due to rounding.

GREEN ONIONS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE		
1976..	90	10.4	940	50.1	471
1977..	90	9.3	835	60.7	507
1978..	100	9.8	980	70.5	691
1979..	120	9.5	1,135	71.9	816
1980..	90	10.0	900	72.5	652
			HAWAII/KAUAI		
1976..	5	12.0	60	43.4	26
1977..	5	12.0	60	44.7	27
1978..	5	14.0	70	47.1	33
1979..	8	8.8	70	53.7	38
1980..	7	11.4	80	65.5	52
			MAUI/MOLOKAI		
1976..	10	12.0	120	50.8	61
1977..	10	12.0	120	56.9	68
1978..	10	11.5	115	64.4	74
1979..	12	9.6	115	70.8	81
1980..	8	11.2	90	72.6	65
			OAHU		
1976..	75	10.1	760	50.5	384
1977..	75	8.7	655	62.9	412
1978..	85	9.4	795	73.4	584
1979..	100	9.5	950	73.4	697
1980..	75	9.7	730	73.3	535

GREEN ONIONS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January............	7	7	7	9	8	67	54	74	72	64	50.1	60.0	71.4	80.7	83.9
February...........	6	7	7	11	7	53	57	76	82	75	52.4	61.5	71.4	82.8	81.7
March..............	7	7	8	10	8	75	68	91	75	65	53.2	63.2	69.8	81.2	84.8
April..............	6	8	9	8	7	86	62	96	94	77	53.3	61.9	68.9	74.7	79.9
May................	7	8	10	11	8	95	91	103	112	89	49.4	56.9	62.1	62.7	69.9
June...............	7	9	10	11	8	98	85	98	111	81	45.1	56.2	62.0	59.7	66.0
July...............	7	8	8	12	8	78	83	98	109	80	45.4	54.6	64.6	59.4	63.8
August.............	9	8	8	10	7	97	87	88	108	78	47.4	56.1	69.2	66.6	60.4
September..........	9	8	8	10	8	97	71	61	94	84	47.2	59.5	75.3	72.1	62.2
October............	8	6	9	10	7	70	48	65	85	76	48.9	67.4	80.5	74.5	68.8
November...........	9	7	7	9	6	59	60	56	94	61	56.1	68.4	77.3	77.6	78.1
December...........	8	7	9	9	8	65	69	74	99	70	58.7	70.5	85.7	82.5	78.1
Total or average...	90	90	100	120	90	940	835	980	1,135	900	50.1	60.7	70.5	71.9	72.5

LOTUS ROOT: Acreage, yield, production, price, and value, State of Hawaii, 1976-80[1]

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	33	5.0	165	76.1	126
1977..	30	5.0	150	84.1	126
1978..	35	5.4	190	85.7	163
1979..	40	5.2	210	87.4	184
1980..	35	5.4	190	96.7	184

1/ State production all on island of Oahu.

POTATOES: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	5	13.0	65	19.3	13
1977..	6	12.5	75	19.8	15
1978..	--	--	--	--	--
1979..	--	--	--	--	--
1980..	--	--	--	--	--

-- = Negligible

PUMPKINS: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
1976..	23	13.0	300	18.1	54
1977..	22	13.4	295	16.6	49
1978..	25	13.6	340	19.9	68
1979..	25	12.0	300	23.2	70
1980..	20	14.8	295	20.8	61

GREEN PEPPERS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	1,000 pounds	1,000 pounds	Cents per pound	1,000 dollars
			STATE[1]		
1976..	50	16.6	830	32.9	273
1977..	70	15.3	1,070	36.4	389
1978..	60	13.7	820	46.0	377
1979..	65	13.7	890	41.1	366
1980..	45	13.8	620	42.7	265
			HAWAII		
1976..	6	18.3	110	31.4	35
1977..	11	19.1	210	30.5	64
1978..	11	13.2	145	41.8	61
1979..	17	10.0	170	36.9	63
1980..	13	11.2	145	39.8	58
			KAUAI		
1976..	17	17.4	295	32.0	94
1977..	20	12.3	245	34.7	85
1978..	14	13.9	195	43.8	85
1979..	22	17.5	385	41.4	159
1980..	15	16.7	250	42.3	106
			MAUI/MOLOKAI		
1976..	15	14.0	210	35.3	74
1977..	21	16.0	335	37.7	126
1978..	16	11.2	180	42.8	77
1979..	11	15.9	175	42.6	75
1980..	12	14.2	170	45.3	77
			OAHU		
1976..	13	16.5	215	32.6	70
1977..	16	17.5	280	40.6	114
1978..	19	15.8	300	51.4	154
1979..	15	10.7	160	43.3	69
1980..	5	11.0	55	44.5	24

[1] Sum of island estimates may not add to State total due to rounding.

GREEN PEPPERS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January..........	17	18	21	20	9	75	75	45	48	33	30.5	39.6	37.1	42.8	50.6
February.........	21	20	23	13	14	58	71	58	48	26	31.6	40.0	31.4	39.1	48.0
March............	17	23	24	14	13	54	91	71	56	52	37.4	46.1	32.1	41.7	42.4
April............	13	24	24	19	13	50	85	63	81	42	48.5	49.6	47.8	37.1	42.6
May..............	12	21	32	18	12	47	114	68	92	81	46.8	38.7	60.0	48.2	46.1
June.............	15	22	27	25	14	67	74	97	113	65	36.8	36.0	60.5	49.9	45.6
July.............	18	25	24	29	17	106	102	71	100	83	29.1	36.3	57.7	40.5	35.6
August...........	19	24	22	21	15	87	99	61	76	39	25.9	30.9	43.3	41.7	41.8
September........	20	23	22	21	13	82	104	73	102	37	24.7	27.8	39.7	30.4	42.4
October..........	21	20	21	19	13	65	95	105	76	61	25.1	28.6	43.4	32.5	35.3
November.........	18	24	20	19	13	65	89	49	42	44	34.9	30.6	41.8	42.8	43.7
December.........	20	24	19	14	14	74	71	59	56	57	38.4	35.6	46.6	47.3	46.7
Total or average.	50	70	60	65	45	830	1,070	820	890	620	32.9	36.4	46.0	41.1	42.7

[1] Sum of monthly data exceeds total because harvest period longer than 1 month.

ROMAINE: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE		
1976..	95	18.9	1,800	14.8	266
1977..	90	21.2	1,905	16.6	316
1978..	120	19.5	2,345	17.0	399
1979..	130	17.5	2,270	16.5	375
1980..	130	16.7	2,170	16.5	358
			HAWAII		
1976..	70	19.1	1,340	14.3	192
1977..	50	23.5	1,175	16.1	189
1978..	70	19.1	1,340	16.0	214
1979..	80	17.0	1,360	15.0	204
1980..	75	16.9	1,270	15.4	196
			MAUI		
1976..	25	18.4	460	16.1	74
1977..	40	18.3	730	17.4	127
1978..	50	20.1	1,005	18.4	185
1979..	50	18.2	910	18.8	171
1980..	55	16.4	900	18.0	162

WATERCRESS: Acreage, production, price, and value, State of Hawaii, 1976-80

Year	Acreage in crop	Production	Farm price	Value of sales
	Acres	1,000 pounds	Cents per pound	1,000 dollars
1976....	36	1,755	23.9	420
1977....	25	1,380	30.0	414
1978....	31	1,545	36.0	556
1979....	32	1,670	41.1	686
1980....	32	1,420	48.3	686

SQUASH, ITALIAN: Acreage, yield, production, price, and value by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	18	11.7	210	24.2	51
1977..	26	14.4	375	25.4	95
1978..	25	14.0	350	28.5	100
1979..	20	11.0	220	30.1	66
1980..	25	12.0	300	30.7	92
			HAWAII		
1976..	4	9.8	39	24.4	10
1977..	5	14.0	70	24.1	17
1978..	3	13.3	40	28.8	12
1979	8	10.0	80	29.0	23
1980..	11	10.9	120	29.3	35
			KAUAI/OAHU 2/		
1976..	4	8.0	32	23.3	7
1977..	3	15.0	45	30.5	14
1978..	4	11.2	45	30.7	14
1979..	2	10.0	20	30.6	6
1980..	2	15.0	30	36.4	11
			MAUI		
1976..	10	14.0	140	24.4	34
1977..	18	14.4	260	24.8	64
1978..	18	14.7	26[illegible]	28.1	74
1979..	10	12.0	120	30.8	37
1980..	12	12.5	150	31.0	46

[1] Sum of island estimates may not add to State total due to rounding.

[2] Oahu combined with Kauai to avoid disclosure of individual operations.

SWEETPOTATOES: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE 1/		
1976..	90	15.2	1,365	18.5	253
1977..	95	12.5	1,190	22.0	262
1978..	130	11.7	1,520	20.4	310
1979..	150	11.6	1,740	25.0	435
1980..	**100**	**13.0**	**1,300**	**27.7**	**360**
			HAWAII		
1976..	4	13.8	55	15.5	9
1977..	3	15.0	45	18.0	8
1978..	30	11.0	330	18.4	61
1979..	40	7.0	280	21.2	59
1980..	**2/12**	**2/12.5**	**2/150**	**2/23.8**	**2/36**
			KAUAI		
1976..	8	20.0	160	16.1	26
1977..	5	16.0	80	19.8	16
1978..	8	12.5	100	21.5	22
1979..	7	14.3	100	27.0	27
1980..	**2/**	**2/**	**2/**	**2/**	**2/**
			MAUI/MOLOKAI		
1976..	28	13.9	390	17.6	69
1977..	27	14.1	380	21.3	81
1978..	30	14.7	440	19.8	87
1979..	38	15.0	570	21.0	120
1980..	**43**	**15.3**	**660**	**24.0**	**158**
			OAHU		
1976..	50	15.2	760	19.6	149
1977..	60	11.4	685	22.9	157
1978..	60	10.8	650	21.6	140
1979..	65	12.2	790	29.0	229
1980..	**45**	**10.9**	**490**	**33.8**	**166**

1/ Sum of island estimates may not add to State total due to rounding.
2/ Kauai combined with Hawaii to avoid disclosure of individual operations.

SWEETPOTATOES: Acreage, production, and price, by month, State of Hawaii, 1976-80

Month	Acreage harvested					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	-----Acres-----					-----1,000 pounds-----					-----Cents per pound-----				
January..........	6	5	10	11	7	86	75	115	95	86	19.2	20.6	23.2	21.4	26.4
February.........	5	6	10	11	8	79	75	108	101	97	19.6	20.6	22.3	23.8	28.7
March............	7	7	8	11	10	105	82	98	139	118	19.0	23.1	21.8	25.1	27.3
April............	5	8	9	11	7	120	93	92	127	102	18.5	24.0	22.6	24.1	26.8
May..............	6	6	7	12	8	147	109	104	132	106	18.2	23.7	21.1	25.2	28.4
June.............	8	8	10	12	7	138	121	134	148	94	18.0	23.2	21.5	25.1	27.7
July.............	10	6	15	13	8	120	109	167	156	109	18.2	22.1	22.2	25.6	27.2
August...........	10	10	12	14	8	110	129	140	160	105	17.7	20.7	19.1	25.1	26.4
September........	7	9	12	14	9	115	108	142	174	119	17.9	20.9	18.4	25.7	27.5
October..........	10	9	11	14	8	104	90	129	197	115	18.2	21.5	17.0	25.3	28.5
November.........	7	11	12	15	10	110	99	149	171	129	18.8	21.7	18.1	25.3	28.5
December.........	7	10	12	12	10	131	100	142	140	120	18.8	21.7	18.6	25.9	28.5
Total or average.	90	95	130	150	100	1,365	1,190	1,520	1,740	1,300	18.5	22.0	20.4	25.0	27.7

TOMATOES: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
STATE 1/					
1976..	200	23.5	4,700	26.4	1,241
1977..	240	25.0	6,000	30.8	1,848
1978..	250	28.0	7,000	28.6	2,002
1979..	270	23.0	6,200	35.0	2,170
1980..	270	28.5	7,700	31.0	2,387
HAWAII					
1976..	75	26.7	2,000	24.4	488
1977..	105	31.1	3,265	29.9	976
1978..	105	40.0	4,205	28.0	1,177
1979..	120	30.4	3,650	36.5	1,332
1980..	130	41.0	5,330	30.8	1,642
KAUAI					
1976..	15	14.0	210	30.0	63
1977..	14	15.4	215	32.8	71
1978..	15	14.0	210	32.0	67
1979..	10	16.0	160	37.3	60
1980..	10	15.0	150	42.8	64
MAUI/MOLOKAI					
1976..	85	23.4	1,990	25.1	499
1977..	95	21.7	2,065	29.6	611
1978..	110	20.1	2,210	27.6	610
1979..	120	17.5	2,100	31.5	662
1980..	120	16.6	1,990	29.6	589
OAHU					
1976..	25	20.2	505	37.9	191
1977..	25	18.4	460	41.4	190
1978..	20	18.8	375	39.4	148
1979..	20	14.5	290	40.1	116
1980..	10	23.0	230	40.1	92

1/ Sum of island estimates may not add to State total due to rounding.

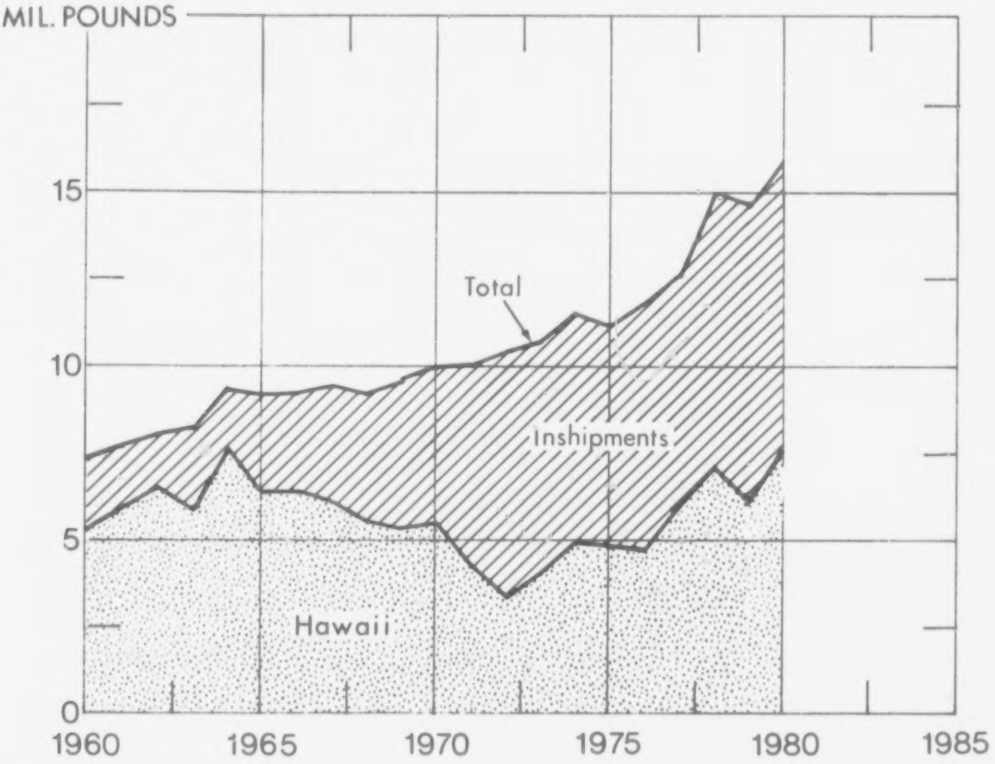
TOMATOES: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested[1]					Production [2]					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	Acres					1,000 pounds					Cents per pound				
January..........	52	36	45	60	49	428	461	552	372	450	27.1	30.9	31.1	41.8	41.5
February.........	46	41	40	52	41	447	532	454	334	471	24.4	32.8	28.3	35.9	39.7
March............	39	55	42	43	38	382	640	569	254	522	26.4	32.2	30.2	38.6	33.6
April............	40	60	47	42	43	264	673	658	247	587	32.7	32.0	30.7	43.4	31.9
May..............	35	42	46	40	44	353	486	655	430	584	29.1	30.4	32.8	40.9	32.2
June.............	39	40	38	49	40	378	513	616	757	785	27.8	29.9	31.7	36.8	32.3
July.............	35	42	42	41	50	393	494	588	665	769	25.6	28.5	27.2	30.6	25.9
August...........	31	29	48	43	47	348	495	554	566	626	22.0	28.6	25.5	28.7	30.0
September........	26	25	45	41	39	422	286	627	560	633	21.7	31.1	20.6	30.7	28.2
October..........	26	37	42	48	44	458	392	522	671	710	24.1	29.1	23.3	28.9	30.2
November.........	29	47	44	57	38	407	429	596	678	705	27.9	31.1	27.9	34.7	28.0
December.........	39	39	53	60	37	425	604	609	670	859	30.3	31.7	32.8	40.2	27.1
Total or average.	200	240	250	270	270	4,700	6,000	7,000	6,200	7,700	26.4	30.8	28.6	35.0	31.0

1/ Sum of monthly data exceeds total because harvest period longer than 1 month.

2/ Sum of monthly estimates may not add to annual total due to rounding.

MARKET SUPPLY: Fresh Market Tomatoes, State of Hawaii, 1960-80



HARS

MINOR CROPS: Acreage, yield, production, price, and value, State of Hawaii, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			BITTERMELON		
1976..	20	16.5	330	42.0	139
1977..	26	17.3	450	40.9	184
1978..	22	15.0	330	54.7	181
1979..	26	12.3	320	52.1	167
1980..	14	15.7	220	70.4	155
			ORIENTAL SQUASH (HYOTAN AND TOGAN)		
1976..	36	17.4	625	15.9	99
1977..	38	14.5	550	17.7	97
1978..	45	16.7	750	19.3	145
1979..	45	17.3	780	18.0	140
1980..	45	16.2	730	18.5	135
			PARSLEY		
1976..	13	10.8	140	49.4	69
1977..	15	11.0	165	55.8	92
1978..	16	13.1	210	56.0	118
1979..	13	13.1	170	57.8	98
1980..	18	13.9	250	67.5	169
			RADISH		
1976..	28	10.5	295	28.8	85
1977..	30	11.5	345	23.6	81
1978..	20	11.5	230	25.3	58
1979..	31	11.6	360	33.3	120
1980..	25	11.8	295	33.3	98
			CHINESE PEAS		
1976..	24	3.5	85	126.6	108
1977..	20	3.8	75	150.7	113
1978..	17	5.0	85	187.0	159
1979..	21	4.8	100	187.0	187
1980..	17	4.1	70	183.9	129

WATERMELONS: Acreage, yield, production, price, and value, by islands, 1976-80

Year	Acreage harvested	Yield per acre	Production	Farm price	Value of sales
	Acres	-----1,000 pounds-----		Cents per pound	1,000 dollars
			STATE1/		
1976..	180	8.5	1,530	18.5	283
1977..	210	9.9	2,075	19.6	407
1978..	190	9.8	1,870	19.2	359
1979..	125	9.0	1,130	23.7	268
1980..	**130**	**10.4**	**1,350**	**23.2**	**313**
			HAWAII		
1976..	14	9.6	135	17.9	24
1977..	50	4.2	210	15.5	33
1978..	40	6.6	265	18.0	48
1979..	20	6.5	130	17.0	22
1980..	**30**	**7.3**	**220**	**18.7**	**41**
			KAUAI		
1976..	5	28.0	140	20.1	28
1977..	12	12.1	145	19.1	28
1978..	20	12.5	250	18.5	46
1979..	5	12.0	60	17.6	11
1980..	**7**	**12.9**	**90**	**23.4**	**21**
			MAUI/MOLOKAI		
1976..	37	10.3	380	16.5	63
1977..	60	11.3	680	18.1	123
1978..	60	12.8	765	17.2	132
1979..	30	12.7	380	20.2	77
1980..	**28**	**12.1**	**340**	**21.4**	**73**
			OAHU		
1976..	125	7.0	875	19.2	168
1977..	90	11.6	1,040	21.4	223
1978..	70	8.4	590	22.6	133
1979..	70	8.0	560	28.3	158
1980..	**65**	**10.8**	**700**	**25.4**	**178**

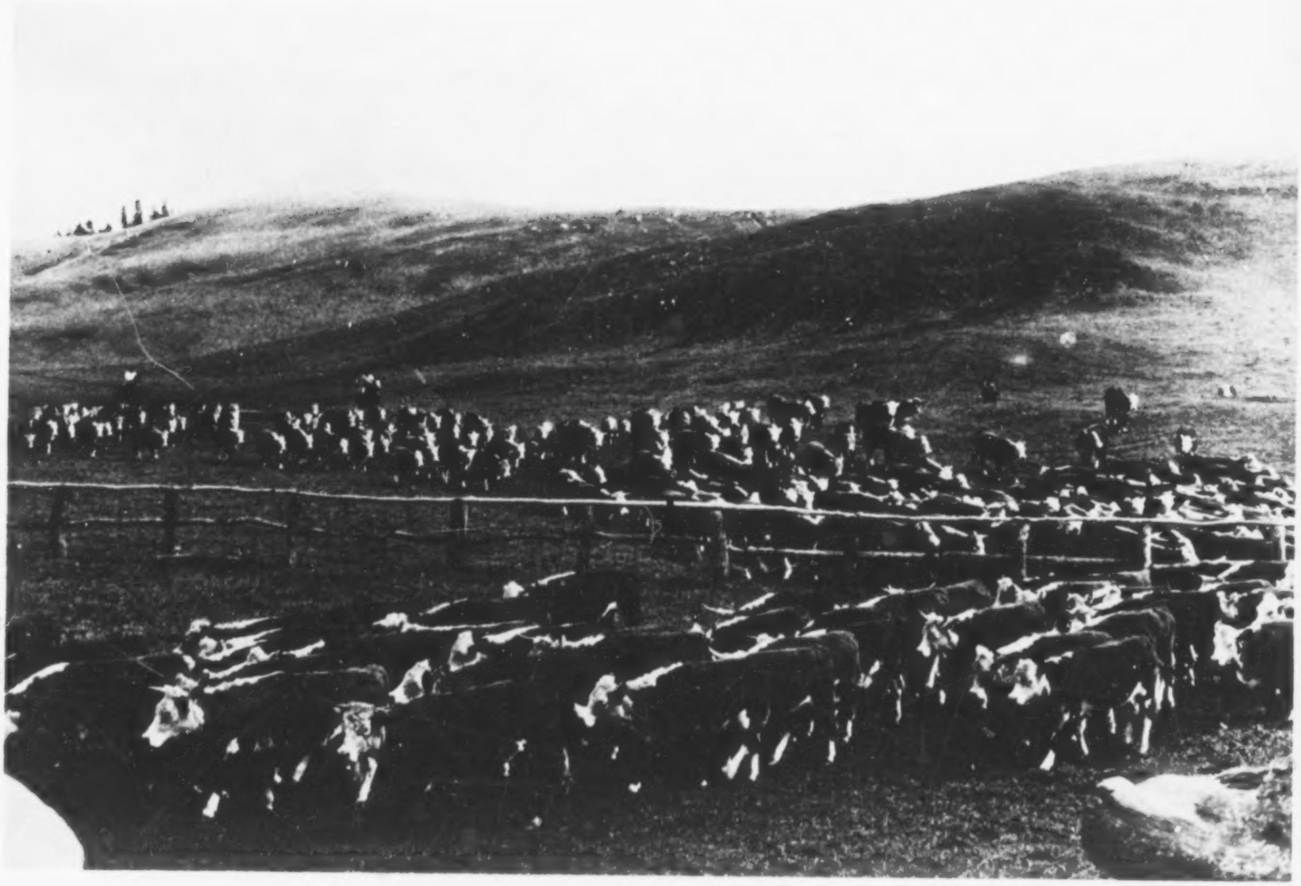
1/ Sum of island estimates may not add to State total due to rounding.

WATERMELONS: Acreage, production, and price, by months, State of Hawaii, 1976-80

Month	Acreage harvested1/					Production					Farm price				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	----------Acres----------					------1,000 pounds------					-----Cents per pound-----				
January................	1	3	19	7	3	10	8	70	23	5	28.9	17.7	16.5	20.6	20.0
February...............	1	1	10	3	2	8	3	54	7	10	28.9	17.5	16.8	18.8	20.0
March..................	0	2	8	1	2	0	4	41	3	10	--	17.5	22.7	18.8	20.0
April..................	6	2	13	1	6	29	8	115	4	18	20.9	22.2	22.0	18.8	24.6
May....................	33	38	14	12	12	186	291	49	118	150	19.9	24.3	23.6	33.4	21.0
June...................	47	58	43	33	16	182	335	249	165	90	19.6	20.5	20.9	30.2	24.3
July...................	41	28	30	44	18	237	174	256	224	113	18.4	18.9	20.0	22.7	24.4
August.................	27	31	17	19	24	120	201	99	160	287	20.2	17.7	21.4	20.2	24.4
September..............	42	53	37	18	17	486	639	405	226	356	16.4	18.5	18.4	20.4	23.0
October................	24	37	42	17	14	73	195	364	117	195	18.8	17.9	17.0	20.3	22.8
November...............	9	16	16	12	15	68	124	97	64	81	17.3	18.8	17.8	22.1	23.6
December...............	8	16	12	3	5	131	93	71	19	35	19.8	18.3	19.6	22.5	19.8
Total or average.......	180	210	190	125	130	1,530	2,075	1,870	1,130	1,350	18.5	19.6	19.2	23.7	23.2

-- = Negligible or not applicable.

1/ Sum of monthly data exceeds total because harvest period longer than 1 month.

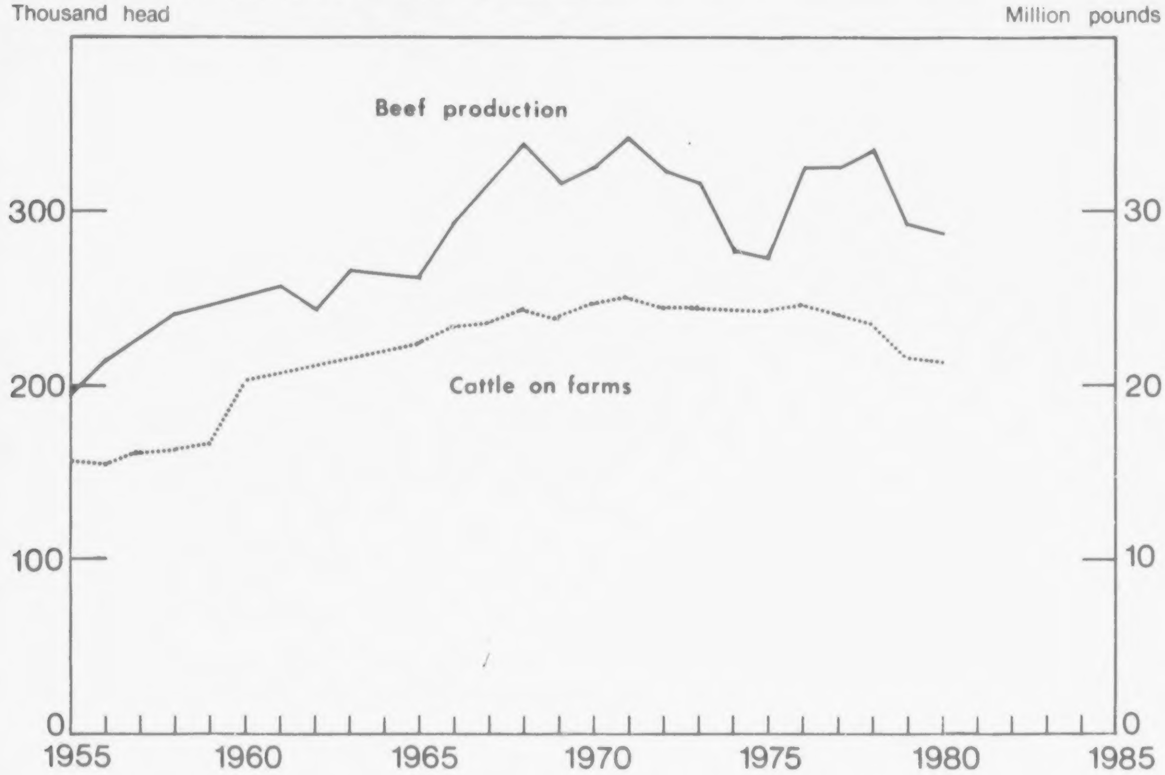


1980 LIVESTOCK SUMMARY

In 1980, sales of livestock products totaled $81.2 million exceeding the record cash receipts of 1979 by 4 percent. A larger volume together with higher prices contributed towards this new high. For the third consecutive year income from cattle and calves was the highest among livestock marketings with total receipts at $28.1 million. Beef production declined 5 percent from last year but was offset by a price increase of $2.00 a hundredweight. Fed cattle prices rose an average of $3.40 per hundred pounds compared to 1979 and range and other cattle and calf prices were up an average of 90 cents. Following a close second was earnings from milk totaling $27.1 million, up 9 percent from last year. Milk production at 152 million pounds was up 2 million pounds and the price, at $18.12 per 100 pounds, was $1.22 more than 1979. Milk cows averaged 13,000 head with an average annual milk production per cow of 11,692 pounds. The combined income from the sales of eggs, broilers and spent hens brought in $18.2 million in 1980, up $.5 million compared with 1979. Income from eggs totaled $14 million, virtually the same as a year earlier. An increase of 2.3 cents a dozen for eggs in 1980 from 1979 was barely enough to offset a 3 percent reduction in egg production. Average annual layer numbers at 1,035,000 were nearly the same as a year earlier. Average egg production per layer in 1980 was 6 eggs less which resulted in a 3 percent decline in production. Income from broiler sales was up 17 percent, going from $3.4 million in 1979 to $3.9 million in 1980. Production was almost a million pounds more and prices averaged 2.0 cents a pound higher than a year earlier. Sales of spent hens brought in about a quarter million dollars.

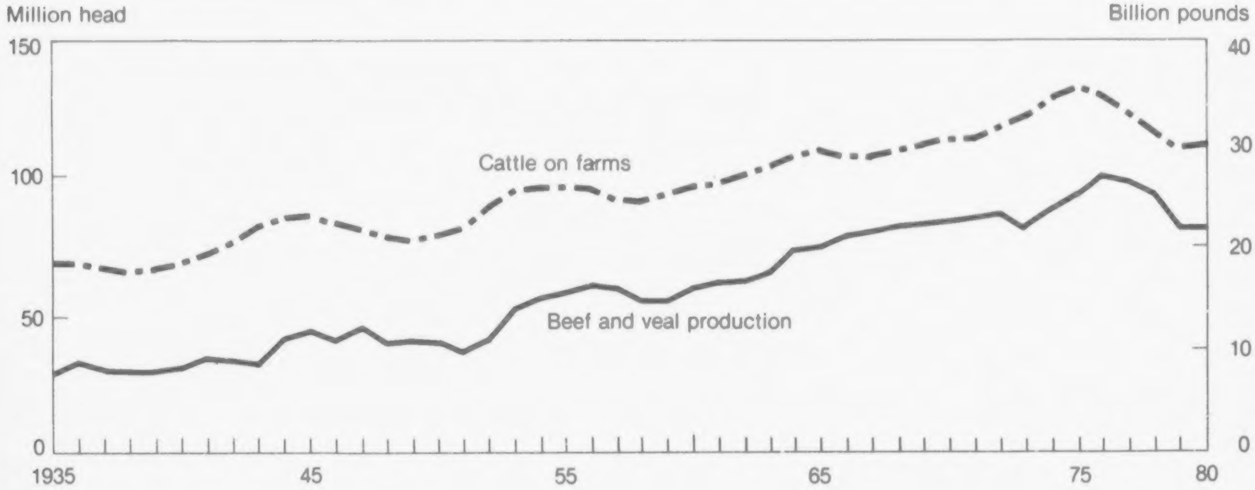
Cash receipts from hog marketings totaled $7.5 million, up $.5 million from a year ago but lower than the record high of 1978. Pork production totaled 10.7 million pounds in 1980 compared to 10.4 million pounds last year. Hog prices continued their uptrend and reached a new plateau of $69.80 a hundred pounds live weight. Forage feeds were valued at $1.7 million in 1980 and was the first increase since 1976. Livestock producers in the State paid 25 percent more for certain livestock feed. All types of feeds were at record high prices in 1980.

Hawaii Cattle Numbers and Beef Production



HARS

U.S. Cattle Numbers and Beef Production



Cattle and calves on farms January 1, 1980 forecast.

USDA.

CATTLE AND CALVES: January 1 inventory by sex classes and weight, by islands, 1977-81

Year	All cattle and calves	All cows and heifers that have calved			Heifers 500 pounds and over				Steers 500 lbs. and over	Bulls 500 lbs. and over	Steers, heifers, and bulls under 500 lbs.
		Total	Beef cows	Milk cows	Total	Beef cow replacements	Milk cow replacements	Other			
	1,000 head										
	STATE 1/										
1977...	240	98	85	13	44	15	7	22	33	7	58
1978...	234	93	80	13	44	17	8	19	31	7	59
1979...	215	91	78	13	40	15	8	17	25	7	52
1980...	213	96	83	13	39	16	7	16	25	7	46
1981...	220	93	80	13	42	19	7	16	23	7	55
	HAWAII										
1977...	135.7	53.5	52.4	1.1	25.2	11.8	4.2	9.2	15.2	4.6	37.2
1978...	128.6	50.7	49.3	1.4	23.8	12.9	3.8	7.1	12.8	4.4	36.9
1979...	119.9	51.9	50.6	1.3	21.2	10.5	4.0	6.7	11.8	4.8	30.2
1980...	121.0	57.9	56.4	1.5	22.8	11.5	4.0	7.3	11.4	4.6	24.3
1981...	127.2	53.8	52.2	1.6	24.8	13.9	3.0	7.9	10.6	5.0	33.0
	KAUAI										
1977...	20.5	8.1	7.7	.4	3.4	1.0	.3	2.1	3.0	.6	5.4
1978...	21.1	8.1	7.7	.4	3.3	1.2	.2	1.9	3.4	.6	5.7
1979...	18.0	6.6	6.1	.5	3.1	1.8	.1	1.2	2.2	.5	5.6
1980...	18.1	6.9	6.4	.5	2.9	1.5	.2	1.2	2.0	.5	5.8
1981...	18.4	7.9	7.4	.5	2.3	1.1	.2	1.0	1.7	.5	6.0
	MAUI										
1977...	43.5	19.4	18.4	1.0	6.8	1.8	.3	4.7	5.3	1.3	10.7
1978...	41.4	17.7	16.7	1.0	6.3	2.4	.4	3.5	4.2	1.4	11.8
1979...	37.5	16.7	15.6	1.1	5.6	1.9	.5	3.2	4.4	1.3	9.5
1980...	36.0	16.5	15.3	1.2	6.2	2.5	.5	3.2	4.6	1.1	7.6
1981...	38.7	16.3	15.1	1.2	6.8	3.1	.5	3.2	4.7	1.2	9.7
	MOLOKAI/LANAI										
1977...	7.0	3.8	3.8	*	1.1	.2	.2	.7	.7	.2	1.2
1978...	7.1	3.7	3.7	*	1.2	.2	.2	.8	.8	.3	1.1
1979...	6.9	3.9	3.9	0	.8	.5	.3	*	.7	.2	1.3
1980...	6.5	3.6	3.6	0	.6	.4	.1	.1	.4	.2	1.7
1981...	7.2	3.8	3.8	0	.8	.4	0	.4	.5	.2	1.9
	OAHU										
1977...	33.3	13.2	2.7	10.5	7.5	.2	2.0	5.3	8.8	.3	3.5
1978...	35.8	12.8	2.6	10.2	9.3	.3	3.3	5.7	9.8	.3	3.6
1979...	32.7	11.9	1.8	10.1	9.3	.3	3.1	5.9	5.9	.2	5.4
1980...	31.4	11.6	1.7	9.9	6.5	.3	1.7	4.5	6.3	.2	6.8
1981...	28.5	11.6	1.7	9.9	6.9	.3	3.4	3.2	5.3	.2	4.5

* = Less than 50. 1/ State totals may not add due to rounding.

CATTLE: Number of operations, January 1, by size group, by islands, 1976-80[1]

Year	Hawaii		Kauai/Niihau		Maui		Molokai		Oahu		State	
	Total	20+ cattle	Total	20+ cattle	Total	20+ cattle	Total	20+ cattle	Total	20+ cattle	Total	20+ cattle
	NUMBER											
1976..........	380	200	150	70	230	100	20	10	120	60	900	440
1977..........	385	205	150	70	235	100	20	10	110	55	900	440
1978..........	355	195	155	70	190	80	15	10	85	55	800	410
1979..........	355	190	155	70	190	80	15	10	85	50	800	400
1980..........	360	210	150	80	190	90	20	10	80	50	800	440

1/ Difference between "Total" and "20+" is operations having 1-19 head of cattle (dairy and/or beef).

CATTLE AND CALVES: Number sold, pounds, price, and value, by islands, 1976-80

Year	Number sold[1]	Pounds sold (live weight)[2]	Farm price (live weight)[3]	Value of sales
	1,000 head	1,000 pounds	Dollars per hundredweight	1,000 dollars
			STATE	
1976	62	59,140	31.30	18,511
1977	65	59,310	31.70	18,837
1978	69	62,300	39.10	24,370
1979	60	55,015	51.50	28,356
1980	55	52,475	53.50	28,074
			HAWAII	
1976	39.9	37,792	30.70	11,599
1977	41.5	36,989	31.00	11,485
1978	45.9	41,035	39.00	16,004
1979	37.0	32,971	52.50	17,323
1980	34.5	33,153	54.20	17,973
			KAUAI	
1976	4.4	4,149	33.10	1,372
1977	5.4	5,328	34.70	1,848
1978	6.1	5,775	39.00	2,252
1979	4.8	4,582	46.60	2,137
1980	6.0	5,765	54.10	3,118
			MAUI	
1976	12.0	11,119	33.20	3,688
1977	13.2	12,127	33.70	4,087
1978	11.8	10,246	40.80	4,181
1979	12.3	11,553	51.70	5,971
1980	10.6	9,510	52.90	5,033
			MOLOKAI	
1976	2.6	2,861	31.60	904
1977	1.9	1,709	33.80	577
1978	2.2	2,039	42.60	869
1979	2.5	2,377	50.80	1,207
1980	1.3	1,124	48.70	547
			OAHU	
1976	3.1	3,219	29.50	948
1977	3.0	3,157	26.60	840
1978	3.0	3,205	33.20	1,064
1979	3.4	3,532	48.60	1,718
1980	2.6	2,923	48.00	1,403

1/ Includes custom slaughter for home use on farms where produced and out-of-State sales of cattle and calves; but, excludes interfarm sales. State totals may not add due to rounding.

2/ Excludes custom slaughter for use on farms where produced.

3/ Prices are equivalent delivered slaughterhouse for sales on island of production and delivered shippers' dock for interisland and out-of-State sales.

CATTLE: Number of feedlot slaughter cattle sold, pounds, price, and value, by islands, 1976-80[1]

Year	Number sold[2]	Pounds sold (live weight)[3]	Farm price (live weight)	Value of sales
	1,000 head	1,000 pounds	Dollars per hundredweight	1,000 dollars
		STATE		
1976	35.3	38,020	33.80	12,853
1977	36.0	35,658	35.20	12,555
1978	38.3	38,969	43.20	16,835
1979	30.3	30,188	56.40	17,031
1980	26.8	27,592	59.80	16,486
		HAWAII		
1976	23.3	25,093	33.30	8,356
1977	23.1	22,873	34.50	7,931
1978	26.7	27,235	42.80	11,657
1979	18.8	18,651	56.50	10,538
1980	17.6	18,439	59.50	10,971
		KAUAI/NIIHAU		
1976	1.2	1,521	33.70	513
1977	2.1	2,198	35.60	783
1978	2.3	2,435	43.40	1,057
1979	1.6	1,621	53.80	872
1980	2.8	2,851	59.80	1,706
		MAUI		
1976	7.7	7,984	35.20	2,810
1977	8.5	8,423	36.50	3,074
1978	6.9	6,911	44.10	3,048
1979	7.4	7,452	56.60	4,218
1980	5.3	5,149	60.60	3,120
		MOLOKAI		
1976	1.7	1,901	34.30	652
1977	1.5	1,383	35.10	485
1978	1.6	1,535	45.40	697
1979	1.5	1,477	56.20	830
1980	.4	413	59.30	245
		OAHU		
1976	1.4	1,521	34.30	522
1977	.8	781	36.10	282
1978	.8	853	44.10	376
1979	1.0	987	58.10	573
1980	.7	740	60.00	444

1/ Animals fattened on grain or other concentrates which produce a carcass expected to grade good or better.

2/ Includes custom slaughter for home use on farms where produced but excludes interfarm sales.

3/ Excludes custom slaughter for use on farms where produced.

CATTLE: Number of range and other slaughter cattle sold, pounds, price, and value, by islands, 1976-80[1]

Year	Number sold[2]	Pounds sold (live weight)[3]	Farm price (live weight)	Value of sales
	1,000 head	1,000 pounds	Dollars per hundredweight	1,000 dollars
			STATE	
1976	26.7	21,120	26.80	5,658
1977	29.0	23,652	26.60	6,282
1978	30.7	23,331	32.30	7,535
1979	29.7	24,827	45.60	11,325
1980	28.2	24,883	46.60	11,588
			HAWAII	
1976	16.6	12,699	25.50	3,243
1977	18.4	14,116	25.20	3,554
1978	19.2	13,800	31.50	4,347
1979	18.2	14,320	47.40	6,785
1980	16.9	14,714	47.60	7,002
			KAUAI/NIIHAU	
1976	3.2	2,628	32.70	859
1977	3.3	3,130	34.00	1,065
1978	3.8	3,340	35.80	1,195
1979	3.2	2,961	42.70	1,265
1980	3.2	2,914	48.40	1,412
			MAUI	
1976	4.3	3,135	28.00	878
1977	4.7	3,704	27.40	1,013
1978	4.9	3,335	34.00	1,133
1979	4.9	4,101	42.70	1,753
1980	5.3	4,361	43.90	1,913
			MOLOKAI	
1976	.9	960	26.30	252
1977	.4	326	28.20	92
1978	.6	504	34.10	172
1979	1.0	900	41.90	377
1980	.9	711	42.50	302
			OAHU	
1976	1.7	1,698	25.10	426
1977	2.2	2,376	23.50	558
1978	2.2	2,352	29.30	688
1979	2.4	2,545	45.00	1,145
1980	1.9	2,183	43.90	959

1/ Animals fattened primarily on grass and other roughage; may include some supplementary feeding of grain. Dairy cattle; calves included.

2/ Includes custom slaughter for home use on farms where produced but excludes interfarm sales.

3/ Excludes custom slaughter for use on farms where produced.

CATTLE: Commercial slaughter and marketings, by class, by months, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
	Commercial slaughter[1]												
	Number of head--1,000 head												
1976....	5.0	4.9	5.5	5.0	4.4	4.5	5.6	5.3	5.1	4.7	4.8	5.0	59.8
1977....	4.9	4.7	5.9	5.0	4.7	5.1	5.0	5.4	5.2	5.0	4.9	5.4	61.2
1978....	5.7	5.1	6.1	4.9	5.3	5.5	5.1	5.7	5.0	5.1	5.3	5.4	64.2
1979....	5.2	4.4	4.6	4.3	4.7	4.1	4.0	4.4	4.4	4.5	4.6	4.8	54.0
1980....	**4.8**	**4.4**	**4.6**	**4.4**	**4.7**	**4.5**	**4.8**	**4.1**	**4.3**	**4.1**	**3.7**	**4.8**	**53.2**
	Dressed weight--1,000 pounds												
1976....	2,789	2,647	3,011	2,778	2,355	2,423	2,792	2,770	2,685	2,495	2,601	2,679	32,025
1977....	2,579	2,378	2,905	2,493	2,346	2,653	2,502	2,749	2,671	2,510	2,579	2,821	31,186
1978....	2,938	2,641	3,139	2,469	2,760	2,849	2,647	2,974	2,682	2,674	2,872	2,877	33,522
1979....	2,713	2,251	2,365	2,253	2,447	2,175	2,144	2,377	2,335	2,424	2,472	2,503	28,459
1980....	**2,512**	**2,352**	**2,460**	**2,441**	**2,468**	**2,424**	**2,522**	**2,173**	**2,273**	**2,150**	**1,942**	**2,843**	**28,200**
	Marketings[2]												
	Feedlot steers and heifers, dressed weight--1,000 pounds												
1976....	1,730	1,752	2,231	1,843	1,408	1,456	1,830	1,788	1,739	1,615	1,652	1,829	20,873
1977....	1,772	1,545	1,887	1,430	1,322	1,627	1,371	1,658	1,708	1,687	1,665	1,904	19,576
1978....	2,077	1,729	1,946	1,584	1,559	1,723	1,721	1,869	1,728	1,584	1,956	1,827	21,303
1979....	1,713	1,415	1,282	1,167	1,255	1,302	1,210	1,254	1,449	1,474	1,401	1,651	16,573
1980....	**1,669**	**1,497**	**1,374**	**1,473**	**1,271**	**1,229**	**1,285**	**1,098**	**1,063**	**1,077**	**924**	**1,188**	**15,148**
	Range steers and heifers, dressed weight--1,000 pounds												
1976....	416	330	285	368	389	387	333	445	378	362	451	344	4,488
1977....	419	508	488	516	565	577	614	585	507	441	585	505	6,310
1978....	420	444	538	440	541	532	366	524	407	469	399	433	5,513
1979....	503	372	493	460	508	449	475	530	494	519	568	432	5,803
1980....	**434**	**530**	**579**	**579**	**601**	**635**	**718**	**624**	**632**	**601**	**627**	**575**	**7,135**
	Cows, dressed weight--1,000 pounds												
1976....	571	464	385	464	507	505	545	478	501	443	430	456	5,749
1977....	416	362	526	569	477	453	510	482	479	408	361	435	5,478
1978....	370	387	542	367	565	513	519	481	455	545	447	527	5,718
1979....	485	469	547	591	666	427	455	570	395	416	498	439	5,958
1980....	**427**	**325**	**505**	**371**	**598**	**588**	**504**	**453**	**578**	**472**	**410**	**465**	**5,696**
	Bulls, dressed weight--1,000 pounds												
1976....	99	128	131	131	76	92	112	87	87	102	95	70	1,210
1977....	66	57	98	73	77	91	103	119	72	69	63	73	961
1978....	72	85	113	83	96	83	45	101	96	81	68	87	1,010
1979....	83	65	113	105	88	67	74	93	68	86	90	59	991
1980....	**55**	**73**	**75**	**91**	**71**	**45**	**88**	**70**	**73**	**74**	**49**	**66**	**830**

1/ Includes custom slaughter for home use. To convert dressed weight to live weight, divide dressed weight by 0.549 or multiply by a factor of 1.8215.

2/ Excludes custom slaughter for home use and calves shipped out-of-State, but includes on farm sales.

CATTLE: Farm price, by class, by months, State of Hawaii, 1976-80[1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
	Feedlot steers and heifers, dressed weight--Cents per pound												
1976..	66.5	61.0	58.5	62.5	63.5	65.0	62.0	60.0	60.0	57.5	61.0	63.0	61.5
1977..	62.5	60.5	59.5	61.0	65.5	64.0	65.5	64.5	63.0	66.5	67.0	67.5	64.0
1978..	67.5	70.0	74.5	79.5	84.5	88.0	82.5	79.0	81.5	80.0	76.5	82.0	78.5
1979..	88.0	95.0	105.5	110.5	113.5	108.0	106.0	101.5	105.0	102.5	102.0	102.5	102.5
1980..	107.0	104.5	108.5	106.0	108.0	107.0	110.5	110.5	111.0	111.0	110.0	109.5	108.5
	Range steers and heifers, dressed weight--Cents per pound												
1976..	62.0	61.0	58.0	60.0	58.0	58.0	58.0	55.5	54.5	54.5	56.5	56.5	57.5
1977..	57.5	55.0	56.0	57.5	58.5	58.0	58.5	56.5	56.0	55.0	53.5	53.5	56.5
1978..	55.5	55.5	58.5	64.0	67.0	71.0	67.5	67.0	67.0	66.5	67.0	70.0	64.5
1979..	73.5	78.5	85.5	87.0	87.5	87.5	85.0	82.0	87.5	83.0	84.0	82.5	83.5
1980..	87.0	89.0	89.5	88.0	91.5	90.5	94.0	90.5	90.0	90.0	89.5	91.0	90.0
	Cows, dressed weight--Cents per pound												
1976..	41.5	38.5	39.5	42.0	41.5	42.0	41.0	40.5	39.0	40.0	39.5	39.5	40.5
1977..	38.5	38.0	37.5	40.0	40.0	39.5	40.0	39.5	39.5	39.5	40.0	42.0	39.0
1978..	39.5	41.0	43.5	46.5	52.5	52.5	54.5	55.5	56.5	57.0	57.5	61.5	52.0
1979..	64.0	72.0	77.5	80.5	83.0	82.0	80.5	78.0	76.0	78.0	79.0	78.0	77.5
1980..	77.5	76.5	77.5	79.0	78.5	77.5	79.0	78.5	80.5	79.0	77.5	78.5	78.5
	Bulls, dressed weight--Cents per pound												
1976..	42.5	42.5	42.5	45.0	45.0	45.5	45.0	46.0	43.5	46.5	44.5	44.0	44.5
1977..	41.5	41.0	41.0	41.5	40.5	42.0	40.0	45.5	42.0	41.0	41.5	41.5	41.5
1978..	42.0	43.5	45.5	50.0	54.5	56.5	58.0	61.0	60.0	60.0	63.5	65.0	54.5
1979..	70.0	76.0	82.5	85.5	89.0	84.0	86.0	82.5	81.0	82.5	82.5	82.5	82.0
1980..	82.5	85.5	85.0	84.5	86.0	84.5	85.5	84.0	83.5	85.0	84.0	83.0	84.5
	All cattle, dressed weight--Cents per pound												
1976..	60.5	56.5	55.5	58.0	57.5	59.0	57.0	55.5	55.0	54.0	56.5	58.0	57.0
1977..	57.5	55.5	54.5	55.0	58.0	58.5	58.0	58.0	57.5	60.0	60.0	60.5	57.5
1978..	62.0	62.5	64.5	71.0	73.5	76.0	74.5	72.5	74.5	72.5	72.0	76.0	71.0
1979..	80.7	87.5	94.5	92.5	99.5	98.5	96.0	91.5	96.0	94.0	93.0	95.0	93.5
1980..	98.5	97.0	97.5	97.5	96.5	91.5	99.0	98.0	97.5	98.0	96.5	98.0	97.5

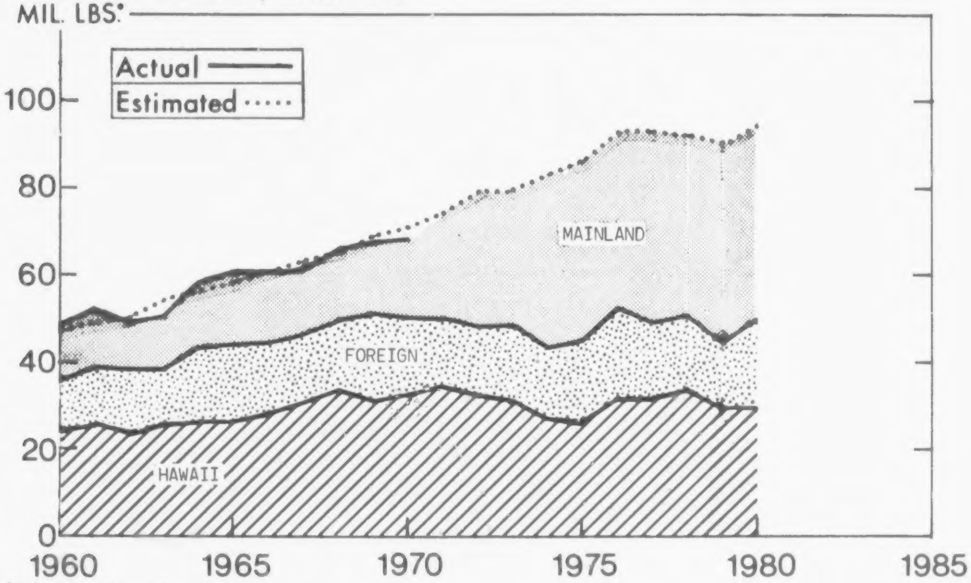
[1] Prices are for commercial slaughter cattle.

CATTLE AND CALVES: Inventory and disposition, State of Hawaii, 1976-80

Year	Inventory beginning January 1	Calf crop	Inshipments	Marketings	Farm slaughter	Deaths	Inventory January 1 following year
	1,000 head						
1976...	245	74	1	62	2	16	240
1977...	240	74	1	65	1	15	234
1978...	234	64	1	69	2	13	215
1979...	215	66	1	60	1	8	213
1980...	213	72	*	55	1	9	220

* = Less than 50.

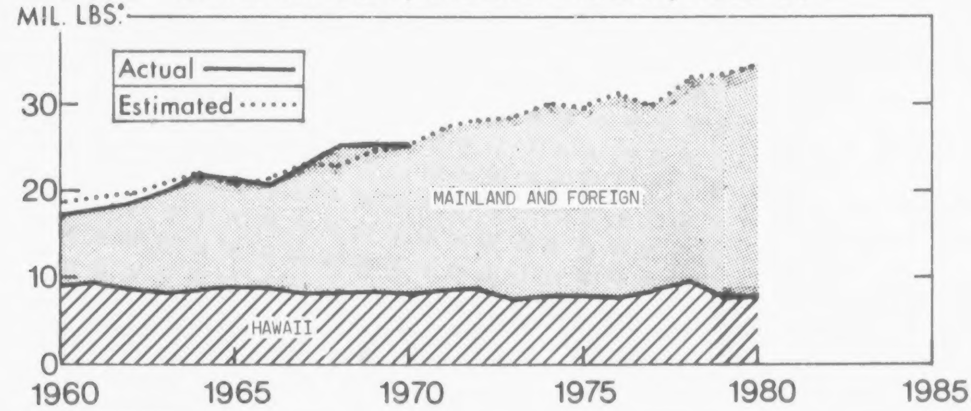
MARKET SUPPLY: Beef and Veal, State of Hawaii, 1960-80



*Carcass-weight equivalent

HARS

MARKET SUPPLY: Pork, State of Hawaii, 1960-80



*Carcass-weight equivalent.

HARS

MARKET SUPPLY: Beef and veal, pork, State of Hawaii, 1970-80

Year	Beef and veal				Pork			
	Mainland	Foreign	Hawaii[1]	Total[2]	Mainland	Foreign	Hawaii	Total[2]
	1,000 pounds (carcass weight equivalent)							
1970...	17,708	17,604	32,210	67,522	17,346	57	7,903	25,306
1971...	23,884	16,492	33,965	74,341	18,555	71	8,447	27,073
1972...	30,819	15,532	32,183	78,534	19,510	157	8,357	28,024
1973...	31,054	16,910	31,013	78,977	21,179	105	7,433	28,717
1974...	40,237	15,636	27,467	83,340	21,795	24	7,953	29,772
1975...	41,473	17,756	27,000	86,229	21,543	3	7,910	29,456
1976...	39,839	20,414	32,320	92,573	23,287	4	7,781	31,072
1977...	43,120	17,493	32,325	92,938	21,632	2	8,762	30,396
1978...	42,087	17,146	33,544	92,777	21,301	0	9,869	31,170
1979...	45,170	16,030	29,325	90,525	24,812	45	7,785	32,642
1980...	50,348	15,202	28,809	94,359	26,685	133	8,012	34,830

1/ Excludes slaughter cattle and calves shipped out-of-State. 2/ After 1970 total supply was estimated and mainland inshipments derived. See page 100 for detailed explanation of the estimating procedure.

MILK: Number of operations, number of milk cows, production, sales, price, and value, by islands, 1976-80

Year	Operations[1]		Annual average milk cows	Milk per cow	Production[2]	Sold[2]	Average price	Value of sales
	Total	10+ milk cows						
	Number			Pounds	Million pounds		Dollars per hundredweight	1,000 dollars
					STATE			
1976....	80	29	13,200	11,212	148.0	145.8	15.05	21,943
1977....	80	29	13,000	11,538	150.0	147.5	15.70	23,158
1978....	70	25	12,900	11,628	150.0	147.3	16.10	23,715
1979....	70	25	12,800	11,719	150.0	147.3	16.90	24,894
1980....	70	24	13,000	11,692	152.0	149.4	18.12	27,071
					HAWAII/KAUAI/MAUI[3]			
1976....	55	6	2,600	10,615	27.6	25.7	15.05	3,868
1977....	55	6	2,700	10,815	29.2	27.2	15.90	4,331
1978....	46	6	2,900	10,240	29.7	27.7	15.80	4,375
1979....	46	6	3,000	10,635	31.9	29.8	16.50	4,919
1980....	46	6	3,200	10,031	32.1	30.0	17.84	5,352
					OAHU			
1976....	25	23	10,600	11,360	120.4	120.1	15.05	18,075
1977....	25	23	10,300	11,730	120.8	120.3	15.65	18,827
1978....	24	19	10,000	12,030	120.3	119.6	16.15	19,340
1979....	24	19	9,800	12,050	118.1	117.5	17.00	19,975
1980....	24	18	9,800	12,235	119.9	119.4	18.19	21,719

1/ At end of year. Difference between "Total" and "10+" is operations having 1-9 milk cows.

2/ Difference between "Production" and "Sold" is milk used on farms for human consumption, fed to calves or other uses.

3/ Hawaii, Kauai, and Maui/Molokai combined to avoid disclosure of individual operations.

MILK-FEED RATIO, by months, State of Hawaii, 1976-80[1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						Pounds						
1976....	1.81	1.75	1.69	1.61	1.65	1.59	1.56	1.68	1.76	1.83	1.87	1.77
1977....	1.83	1.83	1.67	1.67	1.64	1.56	1.64	1.74	1.93	2.09	1.99	1.91
1978....	1.93	1.89	1.92	1.89	1.88	1.81	1.83	1.88	1.93	1.91	1.89	1.87
1979....	1.84	1.77	1.77	1.75	1.72	1.78	1.75	1.82	1.86	1.83	1.82	1.85
1980....	1.82	1.77	1.71	1.71	1.69	1.64	1.69	1.75	1.75	1.67	1.63	1.58

1/ Pounds of 20-percent dairy feed equal in value to 1 pound of whole milk.

MILK: Number of cows, milk production, and price, by months, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
	Average number of milk cows on hand during month--1,000 head												
1976....	13.4	13.4	13.4	13.4	13.2	13.1	13.0	13.0	13.0	13.1	13.0	13.0	13.2
1977....	13.1	13.1	13.1	13.0	12.7	12.8	12.9	12.9	12.8	13.0	12.9	12.9	13.0
1978....	13.2	13.0	12.9	12.9	12.9	12.9	12.8	12.7	12.9	13.0	13.1	13.0	12.9
1979....	13.0	12.8	12.7	12.6	12.5	12.5	12.6	12.8	13.0	12.9	12.7	13.1	12.8
1980....	**13.0**	**13.0**	**13.0**	**12.9**	**12.8**	**12.9**	**13.0**	**13.0**	**13.1**	**13.1**	**13.0**	**13.1**	**13.0**
	Average monthly production per all cows in herd--Pounds												
1976....	950	895	975	975	995	970	985	930	885	890	875	920	11,212
1977....	955	885	1,000	990	1,045	1,025	1,000	970	945	930	905	945	11,538
1978....	950	900	1,035	1,010	1,030	975	1,010	985	935	925	895	955	11,628
1979....	985	910	1,020	1,010	1,060	1,025	1,055	990	890	930	940	945	11,719
1980....	**975**	**955**	**1,040**	**1,025**	**1,095**	**1,025**	**990**	**955**	**895**	**915**	**900**	**935**	**11,692**
	Milk production--Million pounds												
1976....	12.7	12.0	13.1	13.1	13.1	12.7	12.8	12.1	11.5	11.6	11.4	11.9	148
1977....	12.5	11.6	13.1	12.9	13.3	13.1	12.9	12.5	12.1	12.1	11.7	12.2	150
1978....	12.5	11.7	13.3	13.0	13.3	12.6	12.9	12.5	12.1	12.0	11.7	12.4	150
1979....	12.8	11.6	12.9	12.7	13.2	12.8	13.3	12.7	11.6	12.0	11.9	12.4	150
1980....	**12.7**	**12.4**	**13.5**	**13.2**	**14.0**	**13.2**	**12.9**	**12.4**	**11.7**	**12.0**	**11.7**	**12.3**	**152**
	Average price for milk sold to plants--Dollars per hundredweight												
1976....	14.59	14.62	14.46	13.97	14.36	14.51	14.59	15.33	16.43	16.40	16.31	15.50	15.05
1977....	16.03	15.87	15.67	15.49	15.52	14.81	14.88	15.31	16.32	16.20	16.40	15.72	15.70
1978....	16.04	15.78	16.09	16.08	16.10	15.80	15.75	16.08	16.51	16.49	16.50	16.26	16.10
1979....	16.31	16.36	16.32	16.25	16.14	16.51	16.97	17.37	17.73	17.71	17.52	17.78	16.90
1980....	17.73	18.08	17.85	17.55	17.06	16.82	17.76	18.84	19.27	19.19	19.18	18.91	18.12

HONEY: Number of operations, colonies, honey and beeswax production, price, and value, State of Hawaii, 1976-80

Year	Operations	Number of colonies	Yield per colony (honey)	Production		Average price[1]		Value of production	
				Honey (extracted)	Beeswax	Honey (extracted)	Beeswax	Honey	Beeswax
	Number	Thousands	Pounds	--1,000 pounds--		Cents per pound		1,000 dollars	
1976	22	7	102	714	9	50.5	130	361	12
1977	23	7	97	679	11	45.4	126	308	14
1978	28	7	116	812	11	47.6	183	387	20
1979	25	7	130	910	15	47.2	180	430	27
1980	**27**	**7**	**123**	**861**	**20**	**49.6**	**172**	**427**	**34**

1/ Average of unprocessed bulk and processed packaged honey sold at wholesale and processed packaged honey sold at retail by farmers.

HOGS AND PIGS: December 1 inventory by classes and weight, by islands, 1976-80

Year	All hogs and pigs	Breeding	Market				
			Total	Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over
				1,000 head			
				STATE[1/]			
1976....	60	10	50	25	14	9	2
1977....	62	9	53	24	15	10	4
1978....	54	8	46	22	14	8	2
1979....	53	8	45	22	12	9	2
1980....	57	9	48	22	13	10	3
				HAWAII			
1976....	6.4	1.0	5.4	2.9	1.6	.7	.2
1977....	5.9	.9	5.0	2.5	1.3	.9	.3
1978....	5.2	1.0	4.2	2.1	1.2	.8	.1
1979....	5.7	.9	4.8	2.6	1.2	.8	.2
1980....	6.5	1.1	5.4	2.8	1.7	.8	.1
				KAUAI			
1976....	2.5	.5	2.0	1.1	.5	.3	.1
1977. .	3.4	.5	2.9	1.4	.8	.5	.2
1978....	2.5	.4	2.1	1.2	.4	.5	*
1979....	3.2	.4	2.8	1.3	.8	.4	.3
1980....	4.5	.8	3.7	1.7	1.0	.7	.3
				MAUI			
1976....	10.0	1.6	8.4	4.8	2.0	1.5	.1
1977....	10.2	1.5	8.7	3.5	3.0	1.6	.6
1978....	10.1	1.4	8.7	4.1	3.4	1.1	.1
1979....	9.0	1.4	7.6	3.5	1.9	1.8	.4
1980....	9.9	1.5	8.4	3.3	2.6	1.7	.8
				MOLOKAI/LANAI			
1976....	.9	.2	.7	.4	.2	*	.1
1977....	.7	.1	.6	.3	.2	*	.1
1978....	.9	.1	.8	.4	.2	.1	.1
1979....	.9	.2	.7	.4	.2	.1	*
1980....	.8	.2	.6	.3	.1	.1	.1
				OAHU			
1976....	40.3	6.7	33.6	15.8	9.7	6.5	1.6
1977....	41.8	5.6	36.2	15.9	9.9	7.2	3.2
1978....	35.3	5.4	29.9	13.7	8.9	5.4	1.9
1979....	34.2	5.5	28.7	14.0	7.7	5.8	1.2
1980....	35.4	5.6	29.8	13.8	7.6	6.2	2.2

* = Less than 50.

[1/] State totals may not add due to rounding.

HOGS: Number of operations, pig crop, number and pounds sold, price, and value, by islands, 1975-80

Year	Number of operations[1]		Pig crop[2]		Number sold[3]	Pounds sold (live weight)[4]	Farm price (live weight)	Value of sales
	Total	10+	December-May	June-November				
	--Number--		-----1,000 head-----			1,000 pounds	Dollars per hundredweight	1,000 dollars
				STATE 5/				
1975....	620	450	36	33	60	10,547	58.30	6,149
1976....	640	470	38	34	58	10,374	64.30	6,670
1977....	640	520	39	37	63	11,683	60.90	7,115
1978....	650	480	37	34	71	13,159	60.50	7,961
1979....	650	470	34	37	63	10,380	67.70	7,027
1980....	650	430	39	37	63	10,683	69.80	7,457
				HAWAII				
1975....	90	65	4.7	4.3	7.8	1,417	55.00	779
1976....	90	65	4.9	4.5	8.5	1,544	62.00	957
1977....	85	65	4.8	4.0	8.8	1,630	54.50	888
1978....	85	50	4.4	4.5	8.7	1,587	61.00	968
1979....	80	60	3.8	4.0	6.6	1,112	70.50	784
1980....	80	60	4.1	4.1	6.8	1,239	72.00	892
				KAUAI				
1975....	75	50	1.4	1.3	3.4	588	63.00	370
1976....	80	50	1.7	1.1	2.8	450	68.50	308
1977....	100	70	2.2	2.2	2.9	533	71.50	380
1978....	100	60	2.0	1.4	3.7	656	74.00	486
1979....	110	70	2.3	3.2	3.7	504	77.50	391
1980....	110	60	3.6	3.6	5.6	864	78.00	674
				MAUI/MOLOKAI				
1975....	130	90	6.9	6.5	13.3	2,389	60.00	1,431
1976....	130	90	7.3	7.0	13.5	2,434	67.00	1,630
1977....	120	95	5.6	5.3	12.1	2,247	66.00	1,483
1978....	110	80	6.9	7.2	12.6	2,505	65.00	1,628
1979....	100	80	6.6	6.6	12.8	2,211	73.50	1,625
1980....	110	75	9.0	7.3	14.4	2,470	75.50	1,865
				OAHU				
1975....	325	245	23.0	20.9	35.6	6,153	58.00	3,569
1976....	340	265	24.1	21.4	33.2	5,946	63.50	3,775
1977....	335	290	26.0	25.1	39.2	7,273	60.00	4,364
1978....	355	290	23.7	20.9	46.0	8,411	58.00	4,879
1979....	360	260	21.7	23.5	40.0	6,553	64.50	4,227
1980....	350	235	22.5	21.8	36.2	6,110	66.00	4,026

1/ Difference between "Total" and "10+" is operations having 1-9 hogs; current year number of operations is preliminary.
2/ Number of pigs born during the 6-month period which were still on hand or were sold.
3/ Excludes interfarm sales; includes custom slaughter for home use; includes direct sales on farms to consumers.
4/ Excludes custom slaughter for use on farms where produced and interfarm sales.
5/ State totals may not add for number of operations and pig crop due to rounding. Sales and value data are for the 12-month period, December of the previous year through November of the following year.

Note: Data for period 1974-79 includes revisions for some years.

HOGS: Commercial slaughter and farm price, by months, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
						Number of head--1,000 head 1/							
1976....	3.3	3.5	3.9	4.2	3.6	3.7	4.0	3.7	3.5	3.6	3.5	5.0	45.5
1977....	3.2	3.5	3.9	4.0	3.8	3.9	4.1	4.2	4.0	3.8	4.0	5.6	48.0
1978....	3.7	3.6	4.0	4.2	4.0	4.1	4.0	4.2	3.7	3.8	3.6	4.8	47.7
1979....	3.3	3.3	3.5	3.3	3.1	3.2	3.2	2.8	2.6	3.3	3.4	4.4	39.4
1980....	**2.9**	**3.2**	3.6	3.6	3.7	3.6	3.7	3.6	3.4	3.5	3.4	4.9	43.1
						Pounds slaughtered--1,000 pounds, dressed weight 1/ 2/							
1976....	446	472	542	583	499	499	555	513	473	499	499	694	6,274
1977....	456	472	556	570	556	556	569	583	570	541	585	777	6,791
1978....	518	520	568	592	589	574	525	539	475	494	465	639	6,498
1979....	436	434	471	432	397	418	441	386	344	456	482	610	5,307
1980....	**401**	**443**	**519**	**518**	**526**	**492**	**524**	**491**	**476**	**488**	**486**	**668**	**6,032**
						Farm price--Cents per pound, dressed weight 3/							
1976....	86.5	86.0	85.5	85.0	85.5	86.5	86.5	86.5	85.0	85.5	84.0	84.0	85.5
1977....	83.5	82.0	82.5	81.0	80.5	81.5	79.5	80.5	80.5	79.5	79.0	79.0	81.0
1978....	79.0	78.5	79.0	78.0	78.5	80.5	82.0	84.0	84.0	83.5	84.5	87.0	80.5
1979....	87.0	89.5	89.5	89.0	91.0	91.5	92.5	92.0	91.5	92.0	92.5	93.5	90.0
1980....	**93.0**	**93.0**	**92.5**	**92.5**	**93.0**	**91.5**	**89.5**	**94.5**	**94.5**	**95.0**	**95.0**		**93.0**

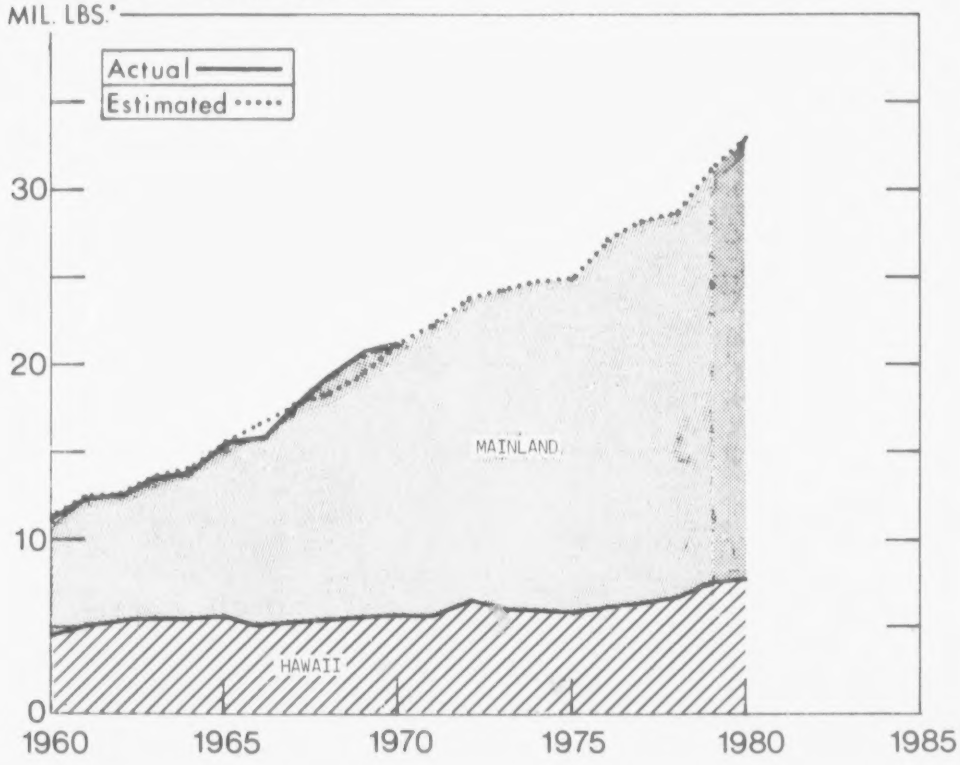
1/ Excludes non-inspected farm slaughter; includes custom slaughter and live hog inshipments from the mainland for slaughter.
2/ To convert dressed weight to live weight: Divide by 0.75 or multiply by a factor of 1.3333.
3/ Annual average price is for marketing year December-November.

HOGS AND PIGS: Inventory and disposition, State of Hawaii, 1976-80

Year	Inventory December 1 previous year	Annual pig crop	Inshipments	Marketings	Farm slaughter	Deaths	Inventory December 1
				1,000 head			
1976....	58	72	*	58	4	8	60
1977....	60	76	*	63	3	8	62
1978....	62	71	*	71	3	5	54
1979....	54	71	*	63	3	6	53
1980....	53	76	*	63	3	6	57

* = Less than 500 head.

MARKET SUPPLY: Chickens and Broilers, State of Hawaii, 1960-80



*Ready to cook weight

HARS

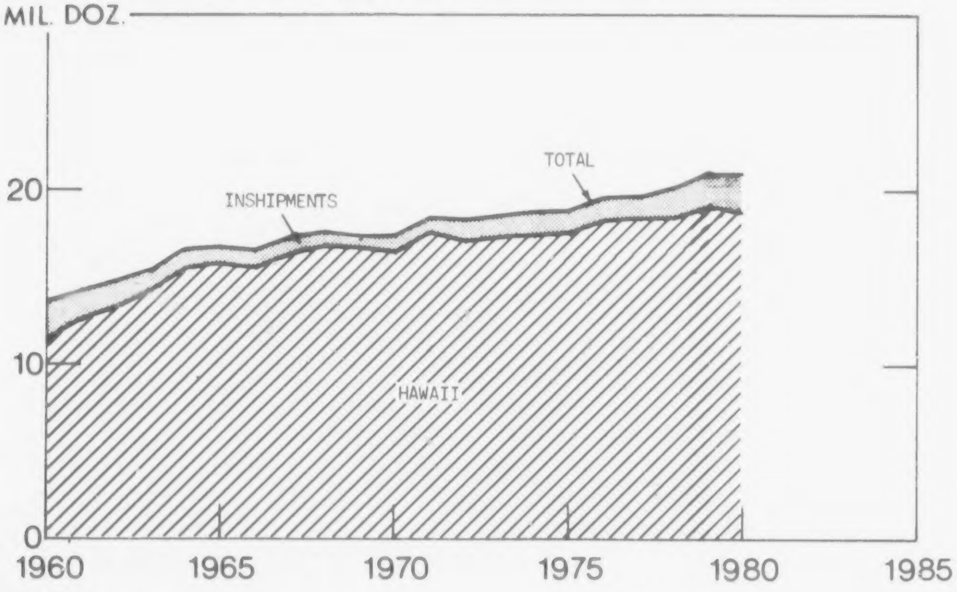
MARKET SUPPLY: Poultry meat, State of Hawaii, 1971-80

Commodity	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
	1,000 pounds (ready-to-cook weight)									
Broilers:										
Inshipments..	16,363	17,393	18,082	18,981	19,242	21,016	21,960	21,697	23,918	25,455
Hawaii.......	4,709	5,371	5,027	4,987	4,697	5,200	5,180	5,816	5,896	6,569
Total......	21,072	22,764	23,109	23,968	23,939	26,216	27,043	27,513	29,814	32,024
Other chickens:										
Hawaii.......	1,036	988	1,004	866	962	921	978	970	1,240	1,321
Total chickens:										
Inshipments..	16,363	17,393	18,082	18,981	19,242	21,016	21,960	21,697	23,918	25,455
Hawaii.......	5,745	6,359	6,031	5,853	5,659	6,121	6,158	6,786	7,136	7,890
Total[1/].....	22,108	23,752	24,113	24,834	24,901	27,137	28,118	28,483	31,054	33,345
Turkeys:										
Inshipments..	1,914	3,168	3,597	3,747	NA	NA	NA	NA	NA	NA

NA = Not available.

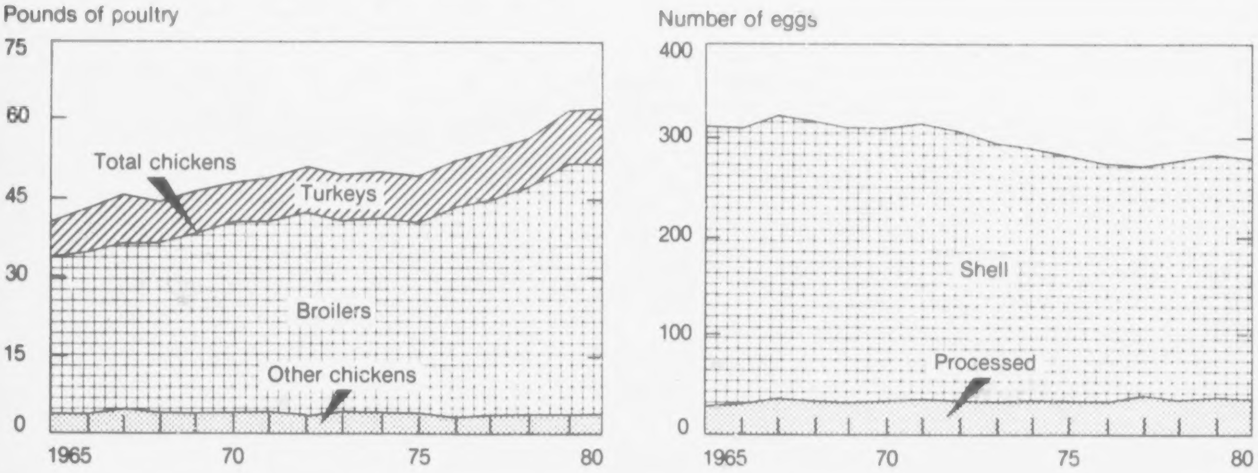
[1/] After 1971 total supply was estimated and mainland inshipments derived. See page 100 for detailed explanation of the estimating procedure.

MARKET SUPPLY: Eggs, State of Hawaii, 1960-80



HARS

U.S. Per Capita Consumption of Poultry and Eggs



Poultry is ready-to-cook weight. Processed eggs converted to shell equivalent. 1979 preliminary, 1380 forecast.

USDA.

MARKET SUPPLY: Eggs, State of Hawaii, 1976-80

Commodity	1976	1977	1978	1979	1980
			1,000 dozens		
Eggs, shell:					
Inshipments....	1,396	1,506	1,914	1/1,956	2,371
Hawaii.........	18,200	18,200	18,200	19,100	18,500
Total........	19,596	19,706	20,114	21,056	20,871

Source of inshipment data: Mainland, Market News Service, Hawaii Department of Agriculture. 1/ Revised.

CHICKENS: December 1 inventory by class, by islands, 1976-80

Year	All chickens (excluding broilers)	Number of layers			Non-laying pullets		Other chickens (excluding broilers)
		Hens 1 year +	Pullets under 1 year	Total	Over 3 months	Under 3 months	
				Thousands			
				STATE			
1976......	1,254	632	377	1,009	87	158	*
1977......	1,301	677	327	1,004	137	160	*
1978......	1,333	619	406	1,025	131	177	*
1979......	1,306	658	341	999	147	160	*
1980......	**1,314**	**593**	**414**	**1,007**	**175**	**132**	*
				HAWAII			
1976......	102	63	23	86	11	5	*
1977......	89	42	22	64	16	9	*
1978......	92	23	41	64	7	21	*
1979......	1/	1/	1/	1/	1/	1/	1/
1980......	1/	1/	1/	1/	1/	1/	1/
				KAUAI/MAUI/MOLOKAI 2/			
1976......	80	32	40	72	1	7	*
1977......	96	35	42	77	9	10	*
1978......	99	57	24	81	6	12	*
1979......	1/178	1/68	1/75	1/143	1/10	1/25	1/*
1980......	**1/196**	**1/81**	**1/66**	**1/147**	**1/24**	**1/25**	1/*
				OAHU			
1976......	1,072	537	314	851	75	146	*
1977......	1,116	600	263	863	112	141	*
1978......	1,142	539	341	880	118	144	*
1979......	1,128	590	266	856	137	135	*
1980......	**1,118**	**512**	**348**	**860**	**151**	**107**	*

* = Less than 500.

1/ Hawaii, Kauai, and Maui/Molokai combined to avoid disclosure of individual operations.

2/ Kauai and Maui/Molokai combined to avoid disclosure of individual operations.

EGG-TYPE PULLET CHICK PLACEMENTS, by months, State of Hawaii, 1976-80 1

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						1,000 chicks							
1976...	90	32	62	69	63	64	17	38	78	47	33	40	633
1977...	84	24	73	58	61	96	9	80	34	37	89	9	654
1978...	83	44	56	82	8	113	12	77	52	19	115	11	672
1979...	87	32	105	62	5	42	113	54	100	10	51	30	691
1980...	58	59	37	34	95	30	131	13	59	58	13	87	674

1/ Inshipments plus local hatch.

CHICKENS: December 1 number of operations, sales, price, and value, by islands, 1976-80[1]

Year	Operations	Number sold	Pounds sold (live weight)[2]	Average price (live weight)[3]	Value of sales
	Number	Thousands	1,000 pounds	Cents per pound	1,000 dollars
			STATE		
1976........	70	376	1,316	15.5	204
1977........	70	411	1,397	16.0	224
1978........	60	396	1,386	14.0	194
1979........	60	479	1,772	15.5	275
1980........	60	510	1,887	12.7	240
			HAWAII/KAUAI/MAUI/MOLOKAI [4]		
1976........	44	113	379	27.7	105
1977........	44	95	323	23.5	76
1978........	34	63	225	28.0	63
1979........	34	75	278	27.3	76
1980........	34	57	202	26.7	54
			OAHU		
1976........	26	263	937	10.6	99
1977........	26	316	1,074	13.8	148
1978........	26	333	1,161	11.3	131
1979........	26	404	1,494	13.3	199
1980........	26	453	1,685	11.0	186

1/ Data are for December-November marketing year.
2/ To convert live weight to ready-to-cook weight, multiply by a conversion factor of .70.
3/ Equivalent delivered processing plant.
4/ Hawaii, Kauai, and Maui/Molokai combined to avoid disclosure of individual operations.

CHICKENS: Slaughter and price, by months, State of Hawaii, 1976-80[1]

Month	Number sold					Pounds sold (live weight)[2]					Average farm price (live weight)[3]				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	--------1,000 birds--------					----------1,000 pounds----------					--------Cents per pound--------				
December..........	42	32	32	29	42	144	117	88	100	162	12.5	19.5	15.0	19.0	13.5
January...........	27	32	38	38	44	93	104	95	148	164	14.0	17.0	16.0	15.0	15.0
February..........	22	23	26	54	39	78	77	95	[illegible]	149	20.0	19.0	14.0	14.0	13.0
March.............	29	19	22	29	27	105	70	84	104	102	16.0	18.0	15.5	17.5	13.0
April.............	25	32	28	30	35	89	105	96	108	132	17.0	16.5	17.0	17.0	12.5
May...............	26	39	42	47	42	89	129	141	180	159	17.5	14.5	13.0	16.5	12.5
June..............	39	46	40	29	16	141	159	147	101	54	15.0	14.0	[illegible]	17.0	18.0
July..............	33	46	44	46	37	115	154	158	182	127	16.5	14.5	11.5	13.5	15.0
August............	38	35	31	37	37	133	118	110	146	135	14.0	15.5	14.5	16.5	13.5
September.........	38	44	27	38	49	134	146	121	139	195	13.5	15.5	12.5	16.5	12.5
October...........	34	30	32	58	91	115	120	125	206	317	14.5	15.5	13.0	14.0	9.0
November..........	23	33	34	44	51	80	98	126	153	191	18.5	18.5	17.0	14.0	13.0
Total or average..	376	411	396	479	510	1,316	1,397	1,386	1,772	1,887	15.5	16.0	14.0	15.5	12.7

1/ Data are for December-November marketing year.
2/ To convert live weight to ready-to-cook weight, multiply by a conversion factor of .70.
3/ Equivalent delivered processing plant.

EGGS: December 1 number of operations, number of layers, production, sales, price, and value, by islands, 1976-80[1]

Year	Operations with layers		Average number of layers	Average production per layer	Production[3]	Average price[4]	Value of sales
	Total[2]	100+					
	-------Number-------		1,000 birds	Eggs	Million eggs	Cents per dozen	1,000 dollars
				STATE5/			
1976...	70	34	988	221	218	65.0	11,808
1977...	70	33	991	220	218	68.3	12,408
1978...	60	32	1,007	216	218	69.9	12,699
1979...	60	27	1,039	220	229	73.4	14,007
1980...	60	26	1,035	214	222	75.7	14,005
				HAWAII			
1976...	28	6	96	221	21.2	75.0	1,328
1977...	28	6	64	220	14.1	76.0	893
1978...	23	5	58	228	13.2	78.0	858
1979...	6/	6/	6/	6/	6/	6/	6/
1980...	6/	6/	6/	6/	6/	6/	6/
				KAUAI/MAUI/MOLOKAI7/			
1976...	16	6	68	229	15.6	74.0	959
1977...	16	6	66	217	14.3	78.0	929
1978...	11	6	83	218	17.9	79.0	1,178
1979...	6/34	6/9	6/141	6/225	6/31.7	6/81.5	6/2,151
1980...	6/34	6/7	6/141	6/209	6/29.4	6/87.5	6/2,143
				OAHU			
1976...	26	22	824	220	181.3	63.0	9,521
1977...	26	21	861	220	190.0	67.0	10,586
1978...	26	21	866	216	186.8	68.5	10,663
1979...	26	18	898	220	197.6	72.0	11,856
1980...	26	19	894	215	192.1	74.0	11,862

1/ Annual number of layers, egg production, sales, price, and value are a December-November marketing year.
2/ Difference between "Total" and "100+" is operations having 1-99 layers.
3/ Home consumption less than 0.5 million eggs included.
4/ Equivalent delivered processing plant.
5/ Sum of island estimates may not add to State total due to rounding.
6/ Hawaii, Kauai and Maui/Molokai combined to avoid disclosure of individual operations.
7/ Kauai and Maui/Molokai combined to avoid disclosure of individual operations.

EGGS: Number of layers, production, and price, by months, State of Hawaii, 1976-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average[1]
	Average number of layers on hand during month--1,000 layers												
1976......	957	966	984	1,001	1,006	1,000	996	993	992	996	1,004	1,000	988
1977......	983	981	999	1,003	991	986	983	981	988	995	1,000	1,002	991
1978......	997	994	999	1,006	1,006	999	998	1,006	1,022	1,028	1,024	1,023	1,007
1979......	1,028	1,025	1,038	1,060	1,043	1,036	1,044	1,059	1,069	1,039	1,005	1,015	1,039
1980......	1,021	1,034	1,053	1,052	1,050	1,051	1,052	1,044	1,037	1,011	997		1,035
	Egg production--Million eggs 2/												
1976......	18.0	16.6	18.0	18.4	18.9	18.2	19.0	18.9	18.2	18.5	18.2	19.4	218
1977......	18.8	16.4	18.4	18.6	19.1	17.6	18.1	18.2	17.6	18.3	17.9	18.4	218
1978......	18.3	16.8	18.8	17.7	18.3	17.7	18.3	18.2	17.6	19.0	18.8	18.8	218
1979......	19.1	17.6	20.4	19.9	20.2	18.7	19.1	19.4	19.2	19.2	17.8	18.5	229
1980......	17.7	17.1	19.3	18.7	19.8	19.1	19.2	18.8	18.5	17.5	17.3		222
	Average farm price--Cents per dozen 3/												
1976......	71.0	70.5	68.5	63.5	62.0	60.5	60.5	62.0	62.5	65.0	64.5	63.5	65.0
1977......	66.5	71.0	69.5	70.0	69.5	69.0	68.5	68.0	67.5	69.5	68.0	68.5	68.3
1978......	67.5	69.5	68.5	68.5	70.5	70.5	70.5	71.0	69.5	71.5	72.5	71.0	69.9
1979......	71.0	76.0	76.0	79.0	77.5	74.0	75.0	74.0	70.0	68.0	68.5	69.5	73.4
1980......	71.5	73.5	77.5	79.5	78.0	79.5	77.0	76.0	75.0	75.5	74.0		75.7

1/ Annual data are for a December-November marketing year.
2/ Annual totals may not add due to rounding.
3/ Equivalent delivered processing plant.

EGG-FEED RATIO, by months, State of Hawaii, 1976-80[1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	Pounds											
1976....	8.6	8.4	8.0	7.3	7.1	6.6	6.3	6.6	6.4	7.1	7.3	7.1
1977....	7.3	7.8	7.4	7.5	7.3	7.3	7.6	7.5	8.0	8.2	8.1	8.3
1978....	8.1	8.3	8.2	7.5	7.6	7.7	7.5	7.7	7.7	7.9	8.0	7.8
1979....	7.6	8.0	7.9	8.1	7.9	7.4	7.1	7.1	6.6	6.3	6.4	6.8
1980....	6.9	7.2	7.4	7.6	7.5	7.5	7.3	7.1	7.0	6.7	6.6	6.7

1/ Number of pounds of laying feed, equivalent in value to 1 dozen eggs.

BROILERS: December 1 number of operations, sales, price, and value, State of Hawaii, 1976-80[1]

Year	Operations	Number sold[2]	Pounds sold (live weight)[2] [3]	Average price (live weight)[4]	Value of sales[2]
	Number	Thousands	1,000 pounds	Cents per pound	1,000 dollars
1976.........	11	2,039	6,933	40.0	2,773
1977.........	10	2,158	6,906	42.0	2,901
1978.........	10	2,281	7,755	40.5	3,141
1979.........	10	2,246	7,861	43.0	3,380
1980.........	10	2,576	8,758	45.0	3,941

1/ Data are for December-November marketing year.
2/ Includes home consumption which is less than 1 percent of production.
3/ To convert live weight to ready-to-cook weight, multiply by a conversion factor of .75.
4/ Equivalent delivered processing plant.

BROILERS: Slaughter and price, by months, State of Hawaii, 1976-80[1]

Month	Number sold[2]					Pounds sold (live weight)[2] [3]					Average farm price (live weight)[4]				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
	-----------1,000 birds-----------					--- ------1,000 pounds----------					-------Cents per pound-------				
December......	184	179	202	195	213	748	614	798	751	681	39.5	41.0	41.0	39.0	43.0
January.......	185	165	200	222	206	571	549	789	868	685	39.5	42.0	40.0	41.5	44.0
February......	136	136	183	139	186	423	436	571	519	629	38.0	42.5	39.0	42.5	46.5
March.........	146	167	199	194	190	461	577	668	635	626	39.0	42.0	40.5	44.0	47.5
April.........	164	186	168	173	198	546	549	562	548	667	39.0	44.0	39.5	44.0	46.5
May...........	168	193	221	197	240	591	594	601	701	872	40.0	41.5	40.0	44.0	44.5
June..........	187	233	166	187	220	660	742	484	627	757	39.5	42.0	41.5	44.0	45.0
July..........	178	165	169	185	252	632	507	532	611	782	39.5	44.0	42.0	41.5	43.5
August........	174	175	212	195	216	593	554	721	662	784	40.5	42.5	41.0	43.0	43.0
September.....	162	215	177	167	219	532	662	587	558	758	42.0	41.0	41.5	45.0	44.5
October.......	177	185	222	212	235	603	582	886	710	829	40.0	41.5	42.5	43.5	46.0
November......	178	159	162	180	201	573	540	556	671	688	43.0	40.5	42.0	45.0	47.0
Total or average......	2,039	2,158	2,281	2,246	2,576	6,933	6,906	7,755	7,861	8,758	40.0	42.0	40.5	43.0	45.0

1/ Data are for December-November marketing year.
2/ Includes home consumption which is less than 1 percent of production.
3/ To convert live weight to ready-to-cook weight, multiply by a conversion factor of .75.
4/ Equivalent delivered processing plant.

BROILER-FEED RATIO, by months, State of Hawaii, 1976-80[1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	Pounds											
1976..	3.9	3.7	3.8	3.7	3.8	3.4	3.2	3.4	3.2	3.6	3.8	3.6
1977..	3.7	3.7	3.6	3.5	3.3	3.2	3.7	3.8	3.9	4.0	3.8	4.1
1978..	3.8	3.7	3.7	3.4	3.4	3.6	3.6	3.6	3.7	3.7	3.6	3.5
1979..	3.5	3.6	3.6	3.6	3.4	3.4	3.7	3.7	3.5	3.4	3.5	3.5
1980..	3.3	3.3	3.5	3.6	3.5	3.4	3.3	3.1	3.0	3.1	3.0	2.9

1/ Number of pounds of broiler grower equal in value to 1 pound of broiler live weight.

SEED CORN: Number of farms, acreage used for crop, acreage harvested, outshipments, and value, State of Hawaii, 1976-80

Crop year November-June	Farms	Acreage used for crop	Acreage harvested			Outshipments of seed	Value
			Nursery	Observation	Seed increase		
	Number	Acres	Acres	Acres	Acres	1,000 pounds	1,000 dollars
1976-77.......	4	600	285	65	310	515	2,185
1977-78.......	6	460	235	75	180	340	1,389
1978-79.......	6	480	240	90	190	270	1,740
1979-80.......	5	510	250	100	160	290	2,100
1980-81.......	5	570	280	120	170	350	2,280

FEED CROPS: Acreage, production, sales, and value, State of Hawaii, 1976-80[1]

Year	Acreage harvested	Production		Sales	
		Quantity	Value	Quantity	Value
	Acres	1,000 tons	1,000 dollars	1,000 tons	1,000 dollars
1976..................	5,334	91.5	1,687	88.6	1,658
1977..................	6,247	73.2	1,559	73.2	1,559
1978..................	5,270	67.9	1,484	67.9	1,484
1979..................	3,516	68.2	1,457	68.2	1,457
1980..................	3,202	74.1	1,691	74.1	1,691

1/ Includes grains, grass and legume crops, and pineapple green chop.

FEED PRICES: Average price paid by farmers for feed, State of Hawaii, 1976-80

Kind of feed	Unit	1976	1977	1978	1979	1980
		Dollars	Dollars	Dollars	Dollars	Dollars
Chick starter..........................	Ton	199	200	198	220	245
Broiler grower..........................	Ton	225	230	225	255	280
Laying feed..........................	Ton	179	180	179	205	225
Dairy feed, 20-percent protein...........	Ton	176	176	171	188	215
Rolled barley..........................	Ton	1/155	144	144	158	196
Rolled corn..........................	Ton	1/159	142	144	166	193
Alfalfa cubes..........................	Ton	1/135	139	125	143	191
Pineapple bran..........................	Ton	86	91	91	94	108
Cottonseed meal, 41-percent protein.......	100 pounds	1/12.60	13.50	12.50	15.00	14.60
Hog feed, 14-18 percent protein..........	100 pounds	9.50	9.40	9.60	10.00	12.50
Beef cattle feed, 10-20 percent protein...	100 pounds	9.00	8.70	8.90	9.40	10.90
Oyster shells..........................	100 pounds	5.40	5.90	2/	2/	2/
Stock salt..........................	100 pounds	4.40	5.30	5.40	5.80	5.80

1/ Five-month average.
2/ Discontinued.

FEED PRICES: Average price paid by farmers for feed, by months, State of Hawaii, 1978-80

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						Dollars per ton						
						CHICK STARTER						
1978..	185	187	188	198	200	205	200	200	200	200	205	205
1979..	205	210	210	210	215	215	225	230	225	225	225	225
1980..	230	230	230	230	230	230	240	250	260	270	275	280
						BROILER GROWER						
1978..	210	210	220	230	230	235	235	230	225	225	235	235
1979..	240	240	245	245	255	255	265	265	260	260	260	260
1980..	260	265	260	265	265	265	275	290	300	295	315	320
						LAYING FEED						
1978..	166	167	168	182	185	184	187	184	180	181	182	183
1979..	187	191	192	195	196	200	210	210	215	215	215	215
1980..	215	215	215	215	215	215	220	230	235	245	250	255
						DAIRY FEED, 20-PERCENT PROTEIN						
1978..	166	167	168	170	171	175	172	171	171	172	174	173
1979..	177	185	184	186	188	186	194	191	191	194	193	192
1980..	196	200	205	205	205	205	210	215	220	230	235	240
						ROLLED BARLEY						
1978..	141	142	144	145	150	152	147	143	140	139	138	145
1979..	139	138	140	141	142	146	165	176	181	175	174	173
1980..	178	183	183	180	188	185	205	205	200	210	215	215
						ROLLED CORN						
1978..	140	141	143	143	149	152	147	143	141	139	146	146
1979..	149	151	157	160	165	165	177	171	172	175	175	175
1980..	175	175	175	173	181	184	205	205	210	210	210	215
						ALFALFA CUBES						
1978..	130	129	125	123	124	126	120	124	125	125	125	125
1979..	125	125	130	125	120	145	145	160	160	160	160	165
1980..	165	183	200	200	200	193	193	193	193	194	188	187
						PINEAPPLE BRAN						
1978..	96	91	91	91	91	90	90	90	90	90	90	90
1979..	90	93	92	93	100	100	100	100	100	100	100	100
1980..	100	105	105	105	110	110	112	112	112	112	112	106
						COTTONSEED MEAL, 41-PERCENT PROTEIN--100 pounds						
1978..	11.50	12.00	11.00	12.00	12.00	12.50	12.50	12.00	12.50	12.50	14.00	13.50
1979..	15.00	15.00	15.00	13.50	14.50	15.00	15.50	15.50	17.00	14.00	14.00	13.50
1980..	13.50	14.00	14.60	14.50	14.50	14.70	14.70	15.00	14.50	15.50	15.00	15.30

FEED: Inshipments from all sources, State of Hawaii, 1976-80

Commodity	1976	1977	1978	1979	1980
			Tons		
FEED GRAINS					
Barley	27,267	5,615	11,299	20,763	12,558
Corn	28,243	35,994	44,133	38,137	39,757
Oats	243	250	366	208	236
Sorghum	21,170	5,911	14,350	10,733	180
Wheat	11,035	22,838	2,392	4,435	864
Total	87,958	77,329	72,540	74,276	53,595
MIXED FEEDS					
Calf	716	628	806	511	453
Cattle	4,993	7,069	10,508	7,183	5,802
Dairy	9,265	11,437	10,293	12,419	12,133
Horse	1,599	2,034	1,968	1,828	1,458
Pigeon	851	866	841	717	698
Poultry (including scratch)	7,238	4,838	5,089	6,276	6,412
Rabbit	47	104	147	58	50
Swine	1,866	3,553	4,572	3,690	3,539
Other mixed	261	486	870	559	106
Total	26,836	31,015	35,094	33,241	30,651
ALFALFA PRODUCTS					
Cubes and hay	17,409	18,540	17,923	16,591	12,472
Pellets, dehydrated	4,244	1,907	2,017	1,013	1,201
Pellets, suncured	1,461	5,068	3,978	5,053	1,577
Total	23,114	25,515	23,918	22,657	15,250
PROTEIN FEEDS					
Cottonseed products	14,415	13,648	14,594	10,854	11,549
Cottonseed, whole	1/	2,150	2,547	2,197	4,738
Fish meal	10	10	0	0	0
Meat and bone meal	3,165	3,806	2/ 3,367	2/ 3,067	2,062
Soybean meal	6,930	5,453	2/ 6,831	8,670	8,412
Other protein	0	0	0	277	39
Total	24,520	25,067	27,339	25,065	26,800
OTHER FEEDSTUFF					
Almond hulls and pellets	4,618	3,192	5,139	2,144	2,418
Beet pulp and pellets	3,201	1,415	475	674	0
Brans	1,364	1,000	0	0	0
Copra pellets	0	0	0	3/ 624	3/ 2,813
Cottonseed hulls and pellets	9,323	6,094	4,418	2,265	1,413
Grain screenings and pellets	417	6,721	0	2,044	6,694
Hominy	125	0	0	0	0
Middlings	6	4	0	0	0
Mill run	132	43	23	4/	0
Other mill feeds	66	4/	4/	11	48
Whey	216	147	54	59	76
Yeast	76	179	139	23	18
Miscellaneous/unspecified	35	408	304	205	1,936
Total	19,579	12,482	10,552	8,049	15,416
TOTAL FEED INSHIPMENTS	182,007	171,408	169,443	163,288	141,712

1/ Not separated prior to 1977.

2/ Includes foreign.

3/ Foreign.

4/ Receipts not specifically identified; included under Miscellaneous/unspecified.

Source: Market News Service, Hawaii Department of Agriculture.

AGRICULTURAL EMPLOYMENT: Workers on farms, State of Hawaii, annual averages 1976-80

Year	Total farm employment			Hired workers by type of farm		
	Self employed farm operators	Unpaid family 15+	Hired workers	Sugar	Pineapple	Other
1976........	2,890	1,560	11,240	5,070	2,360	3,810
1977........	2,840	1,550	11,300	4,980	2,400	3,910
1978........	2,890	1,810	11,600	4,950	2,520	4,100
1979........	3,020	1,520	10,800	4,950	2,520	3,300
1980........	3,400	1,100	10,550	4,840	2,510	3,200

AGRICULTURAL EMPLOYMENT: Total workers on farms, quarterly, by islands, 1980[1]

Island	Self employed farm operators				Unpaid family members working 15+ hours				Hired workers			
	Jan.	Apr.	July	Oct.	Jan.	Apr.	July	Oct.	Jan.	Apr.	July	Oct.
Hawaii.........	2,200	2,050	1,950	2,150	850	650	500	950	2,950	2,950	3,400	3,650
Kauai..........	250	150	150	250	50	50	50	100	1,400	1,550	1,550	1,650
Maui/Mol./Lanai	400	400	400	400	100	100	100	150	2,500	2,850	4,200	3,000
Oahu...........	750	700	700	700	200	100	150	300	2,450	2,350	3,050	2,700
State[2]......	3,600	3,300	3,200	3,500	1,200	900	800	1,500	9,300	9,700	12,200	11,000

[1] Estimates for week which includes 12th of each survey month.

[2] Sum of island estimates may not add to State total due to rounding.

AGRICULTURAL EMPLOYMENT: Hired workers by type of farm, by islands, 1980[1]

Island	Sugar				Pineapple				Other			
	Jan.	Apr.	July	Oct.	Jan.	Apr.	July	Oct.	Jan.	Apr.	July	Oct.
Hawaii............	1,350	1,400	1,450	1,450	0	0	0	0	1,600	1,550	1,950	2,200
Kauai.............	1,300	1,450	1,450	1,450	0	0	0	0	100	100	100	200
Maui/Mol./Lanai...	1,200	1,100	1,200	1,300	1,000	1,350	2,550	1,100	300	400	450	600
Oahu..............	850	800	800	800	900	800	1,450	900	700	750	800	1,000
State[2].........	4,700	4,750	4,900	5,000	1,900	2,150	4,000	2,000	2,700	2,800	3,300	4,000

[1] Estimates for week which includes 12th of each survey month.

[2] Sum of island estimates may not add to State total due to rounding.

AGRICULTURAL EMPLOYMENT: Wage rates by method of pay and type of work, annual average, 1980[1]

Method of pay	Hawaii	U.S.	Type of work performed	Hawaii	U.S.
	Dollars/hour			Dollars/hour	
All hired farm workers...........	5.58	3.66	Field workers...............	4.80	3.57
Paid by other than piece-rate....	5.57	3.59	Livestock workers...........	4.88	3.25
Paid by hour only................	5.29	3.63	Machine operators...........	6.31	3.70
Paid by hour cash wages only[2]...	5.11	3.67	Supervisors.................	8.15	5.59

[1] Perquisites such as room and board, housing, etc., are provided some workers in all categories, except where footnoted otherwise, in addition to wage rates shown.

[2] Does not include perquisites. Includes only those paid by the hour.

Prices paid by Hawaii farmers, selected items, annual average, State of Hawaii, 1976-80

Item	1976	1977	1978	1979	1980
			Dollars		
BUILDING MATERIALS:					
Framing lumber, 2" x 4", fir, standard and better, per 1,000 bd. ft.	405.00	480.00	540.00	590.00	615.00
Boards, per 1,000 bd. ft.:					
Rough, for farm fences and construction	450.00	520.00	630.00	760.00	795.00
Dressed, 1", S4S, standard and better or No. 2 and better	430.00	465.00	540.00	620.00	730.00
Roofing:					
Asphalt shingles, 3 in 1 mineral surface, approx. 240 lbs., per square	32.00	35.00	39.50	44.00	54.00
Galvanized steel, 26 gauge, per 100 square feet	41.00	92.00	105.00	105.00	110.00
Plywood, exterior, ½", C-D-X, per 4' x 8' sheet	[1] 390.00	[1] 475.00	[1] 520.00	16.50	16.50
Concrete blocks, 8" x 8" x 16", per 100.	84.00	90.00	96.00	105.00	115.00
Portland cement, per 94 lbs. net, each	4.50	4.70	5.20	6.10	7.80
Paint, house, exterior, per gallon	13.00	13.00	14.00	15.00	15.00
EQUIPMENT AND SUPPLIES:					
Iron pipe, galvanized:					
3/4" I.D., per foot	NA	NA	.63	.69	.76
1-1/4" I.D., per foot	1.20	1.05	1.15	1.30	1.40
Plastic tubing, 1" I.D., per foot	.31	.47	.52	.59	.91
Barbed wire, galvanized, 12-1/2-gauge, 4-point, per 80-rod spool	37.50	37.50	40.50	42.00	45.00
Stock fence (woven wire), 6" stay spacing, 32" high, per 20-rod roll	80.00	80.00	81.00	86.00	97.00
Steel post, line fence, each	3.40	3.30	3.55	3.75	4.00
Staples, fence, per pound	.75	.82	.83	.84	.98
Hoe, 7" blade, each	9.10	9.90	10.50	11.50	12.00
Hand sprayer, pressure, 3-4 gallon capacity, each	28.00	27.00	28.00	31.00	35.50
Pitchfork, 4-tine, each	13.00	14.00	14.50	16.00	16.00
Nail hammer, 16 oz. head with handle, each	8.60	8.40	9.30	9.50	11.50
Adjustable end wrench, 10", each	8.10	8.50	8.50	9.10	10.50
Chain saw, gasoline, 20", each	255.00	260.00	275.00	305.00	3[illegible].00
Rope, manila, ½", per 100 feet	17.00	19.50	19.00	20.50	[illegible].00
Rope, polypropylene, ½", per 100 feet	NA	NA	NA	NA	[illegible]9.00
Nails, 8d, common, per pound	.82	.81	.87	.90	.96
Electric drill, ¼", each	25.00	21.50	23.00	23.00	26.00
Water heater, electric, 52 gal., each	NA	NA	NA	180.00	200.00

See footnote at end of table.

Continued

Prices paid by Hawaii farmers, selected items, annual average, State of Hawaii, 1976-80 — Continued

Item	1976	1977	1978	1979	1980
	Dollars				
FERTILIZER MATERIALS:					
Concentrated superphosphate, 44-46 percent P_2O_5, per ton	240.00	235.00	245.00	270.00	**330.00**
Sulphate of ammonia, per ton	175.00	155.00	165.00	175.00	**195.00**
Urea (45-46% N), per ton	230.00	220.00	240.00	235.00	**295.00**
Aqua ammonia (excludes cost of application), per ton	57.00	64.00	70.00	80.00	**100.00**
MIXED FERTILIZERS:					
18-46-0, per ton	300.00	270.00	305.00	305.00	**390.00**
PETROLEUM PRODUCTS, MOTOR SUPPLIES AND SERVICES:					
Gasoline, per gallon (including Federal, State, and local taxes):					
Price, service station (unleaded)	.72	.74	.79	1.00	**1.36**
Price, bulk delivery (leaded, regular)	.57	.60	.64	.80	**1.13**
Diesel fuel, per gallon	.40	.43	.47	.67	**1.02**
Motor oil, per gallon:					
Regular (non-detergent)	1.75	1.75	1.75	2.40	**2.60**
Heavy duty (detergent)	1.85	2.10	2.05	2.60	**2.80**
All-weather (high detergent)	2.20	2.40	2.30	2.95	**3.15**
Grease:					
Price, per 14-1/2 ounce cartridge	.85	.95	1.10	1.25	**1.49**
Price, per 35 pound pail	12.50	15.50	16.00	17.00	**21.00**
Auto tires (tubeless):					
Radial, steel-belted, size 205-15, GR78-15, each	76.00	75.00	74.00	79.00	**83.00**
Bias-belted, size G78-15, each	49.00	45.50	45.50	54.00	**61.00**
Truck tires, each:					
7.00-15, 6-ply	46.50	53.00	53.00	63.00	**74.00**
9.00-20, 10-ply	NA	NA	NA	150.00	**195.00**
Storage batteries, auto and light commercial 12 volt, cranking performance (CPR) (BCI STD):					
CPR 220-310 amps	37.50	38.50	42.50	48.50	**57.00**
CPR 315-500 amps	46.50	50.00	53.00	62.00	**73.00**
Spark plugs, each	1.55	1.80	1.90	1.90	**2.00**
Antifreeze, permanent type, per gallon	7.40	7.80	8.20	7.90	**8.50**
Oil filter:					
Cartridge refill, each	4.60	4.35	4.50	4.85	**5.55**
Spin-on, each	5.60	5.70	5.90	6.20	**6.65**
Services:					
Brakes, relining, materials and labor	78.00	95.00	105.00	130.00	**135.00**
Chassis lubrication (automobile)	5.00	5.00	5.60	6.80	**8.20**
Motor tuneup, labor only	24.00	23.50	22.50	30.00	**31.00**

1/ Per 1,000 square feet prior to 1979.

DEFINITION OF TERMS

Agriculture: All operations performed on a "farm" in connection with planting, growing, and harvesting of crops; raising and feeding of livestock and poultry, and management. All operations in connection with preparation of farm products for market where the preparation does not alter the form of the product and transportation to the first delivery point. In Hawaii, the first delivery point is defined as the processing plant door or other receivers' establishment for marketings on the island of production. For off-island marketings, the first delivery point is generally shipper's dock.

Farm: A place with estimated (or expected) annual sales of agricultural products of at least $1,000. (Replaces old definition which was based on combination of land and money.)

Livestock operation: A place that has one or more head of the species on hand at any time during the year. Does not have to meet farm definition.

Crop production: Estimated production is the amount of crop harvested and transferred at the first delivery point. Production estimates of vegetables and fruits include the quantity for fresh market and processing use.

Livestock production: Estimated amount of livestock and livestock products sold. Includes allowance for amount used on farms where produced.

Farm price: A computed price to value agricultural production which may or may not reflect the average price at which actual transfer of ownership took place but which is comparable with the definition of "agriculture". See "agriculture" for definition of pricing point.

Market supply: Includes pounds of product sold in Hawaii to both Armed Forces and civilians (outshipments excluded) plus products shipped in for civilian use. Direct inshipments to the Armed Forces are excluded.

SAMPLING METHODS AND ESTIMATION

The Hawaii Agricultural Reporting Service uses a variety of sampling techniques to produce current agricultural statistics about crops, livestock, prices, farm labor, and other information relating to the agricultural economy.

Data is collected, summarized and estimates are prepared. These estimates then pass through the Crop Reporting Board of the U. S. Department of Agriculture where, for major items, Hawaii estimates become part of National totals and enter the official data base for agriculture. National and State estimates are published according to a schedule set one year in advance.

The Hawaii Agricultural Reporting Service conducts many of its surveys by virtually complete ENUMERATION of certain parts of the population. This is unusual compared to procedures in other states but is feasible in Hawaii due to the relatively small size of certain categories of the farm universe or the extreme concentration of ownership. Vegetable and poultry surveys are among those where complete enumeration is the usual procedure.

LIST SAMPLING is a common means of data collection. Lists of farm operators are well suited for the low cost collection of information by mail. Supplementary information is included within the frame that allows the use of efficient stratified sample designs. A major disadvantage of this method is the constant change in the list frame which can never be perfect. In Hawaii, cattle and hog surveys are examples of stratified list sample designs.

AREA FRAME SAMPLING can be used alone or in conjunction with the list frame. The frame consists of an aggregation of identifiable units of land or segments which may be sampled. The frame is complete and does not suffer the type of deterioration over time as does a list frame.

MULTIPLE-FRAME SAMPLING is the use of two frames. It takes advantage of the best attributes of the area frame and the list frame, produces unbiased estimates and allows measurement of the sampling error. This survey method is currently used for agricultural employment and wage rate surveys.

OBJECTIVE YIELD SURVEYS provide information from direct counts, measurements and weights of the crop made from small plots in a probability selection of sample fields. Currently, this method is used for forecasting papaya yield four months in advance of harvest. Two research forecast projects are using this method to determine the feasibility of forecasting anthurium and tomato production.

CHECK DATA is used in addition to producer surveys to establish final production and marketings. These include processor receipts, slaughter, vacuum cooler volume, public tax records, and inspections. Unloads at Honolulu and wholesale prices as reported by the Market News Service, are an important check data source. Also, grower organizations such as the Hawaiian Sugar Planters' Association provide an efficient means of obtaining information concerning sugar production.

Hawaii
Agricultural
Reporting
Service

REPORTS ISSUED

Report	Frequency	Approximate release date
CROP RELEASES		
Anthuriums - Exports from Island of Hawaii	Monthly	Middle of month
Bananas - Acreage, Production, & Farm Price	Monthly	First of month
Coffee - Annual Summary	Jan., Sep.	End of month
Flowers and Nursery Products - Annual Summary	Annually	April
Fresh Fruit - Annual Summary	Annually	March
Processed Fruit - Annual Summary	Annually	April
Ginger Root - Annual Summary	Annually	November
Guavas - Annual Acreage	Annually	November
Macadamia Nuts - Annual Summary	Jan., July	End of month
Papayas - Acreage, Production, & Farm Price	Monthly	Middle of month
Sugar - Acreage and Production	Jan., Aug.	Middle of month
Taro - Annual Summary	Annually	January
Vegetables - Acreage, Production, & Farm Price	Monthly	First of month
Vegetables - Annual Summary	Annually	February
Vegetables Processed - Quantity, Farm Price, & Value.	Annually	March
LIVESTOCK RELEASES		
Cattle - January 1, Inventory and Calf Crop	Annually	February
Cattle - Disposition, Price, & Value	Annually	April
Cattle - Slaughter & Pasture Condition	Monthly	First of month
Chickens and Eggs - Production, Disposition, & Income	Annually	April
Chickens and Eggs	Monthly	End of month
Hogs - December 1, Inventory and Pig Crop	Annually	December
Hogs - Disposition, Price, & Value	Annually	April
Hogs - Slaughter & Production	Monthly	First of month
Honey - Annual Summary	Annually	January
Milk - Production, Milk Cow Numbers, & Farm Price	Monthly	Middle of month
Milk - Production, Disposition, & Income	Annually	May
OTHER RELEASES		
Agricultural Labor & Wage Rates	Quarterly	March, June, Sep., Dec.
Crop-Weather	Weekly	Mondays
Farm Income and Production Expenses	Annually	October
Farmers' Newsletter; USDA		
Feed	5 times annually	
General	5 times annually	
Livestock	5 times annually	
Farmline - ESCS Magazine, USDA	Monthly	First of month
Fertilizer Consumption	Annually	November
Prices Paid - Feed	Monthly	First of month
SPECIAL RELEASES		
Dendrobium Orchid		May
Poinsettia		May, October
Protea		May
ANNUAL BULLETIN		
Statistics of Hawaiian Agriculture	Annually	June

The above reports may be obtained without charge from the Hawaii Agricultural Reporting Service, P. O. Box 22159, Honolulu, HI 96822 (Office - 1428 S. King St., Honolulu, HI).

EXPLANATION OF GRAPHS AND TABLES ON PAGES 78 AND 84

BEEF-VEAL SUPPLY: Historical beef-veal supply data consists of all Hawaii production, carcass weight basis, foreign imports, converted to carcass weight equivalent and mainland inshipments, weight-as-shipped. Foreign and mainland inshipments of processed beef are excluded. Also, no adjustment is made for changes in inventory. Estimated supplies are derived as a function of U. S. per capita consumption of beef and veal, and Hawaii's de facto population (excludes the armed forces). Yearly historical data from 1950-1970 on Hawaii production, U. S. mainland, and foreign inshipments were totaled to serve as the dependent variable with which the supply equation was estimated. The resulting equation indicated Hawaii beef supply with a correlation coefficient of .98.

PORK SUPPLY: All historical and estimated pork supply data involved dressed weight of pork with the exception of mainland inshipments which, at times, includes live hogs shipped into Hawaii for slaughter. Foreign and mainland inshipments of processed pork are excluded. Estimated supplies are derived as a function of U. S. per capita consumption of pork and Hawaii's de facto population (excludes the armed forces). Yearly historical data from 1950-1969 on Hawaii production, U. S. mainland, and foreign inshipments were totaled to serve as the dependent variable in estimating a market supply equation. The resulting equation indicated Hawaii pork supply with a correlation coefficient of .90.

CHICKEN-BROILER SUPPLY: All historical chicken-broiler poundage data, as well as estimated supplies, are expressed on a ready-to-cook basis. Estimated supplies are derived as a function of U. S. per capita consumption and Hawaii's de facto population (excludes the armed forces). Yearly historical data from 1950-1969 on U. S. mainland inshipments and Hawaii production was totaled to serve as the dependent variable in estimating the supply equation. The resulting equation indicated Hawaii chicken-broiler supply with a correlation coefficient of .99.

PHOTOGRAPHY ACKNOWLEDGEMENTS

Cover photo of Protea Aristata taken in the Kula area on Maui. This large specimen is a member of the family Proteaceae which includes over 1,500 species many of which are now being commercially grown in the area, courtesy of Olinda Vista Nursery.

Kikuyugrass grazing pastures on Patricia Smith Rice's Kipu Ranch, Lihue, Kauai, Hawaii. Irrigated sugarcane on Grove Farm Company is shown in background. Cane fire smoke is visible to the right of Kipu Village shown in the background, courtesy of Soil Conservation Service, page 2.

Papaya orchard at Moloaa on the Island of Kauai, courtesy of Soil Conservation Service, page 14.

Round-up at Kahua Ranch on the Island of Hawaii, courtesy of Soil Conservation Service, page 70.